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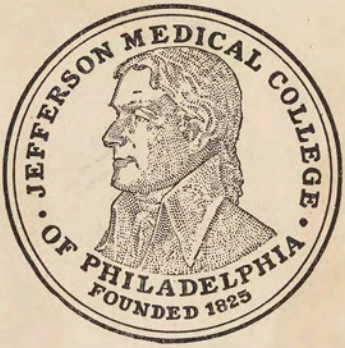

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Notes on Lectures.
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1849 – 50.

Medical & Surgical
Mitchell & Mutter

One drachm doses of Calomel in Cholera. Will relieve vomiting & purging.

Prof. Hooker
Yale Col.

Practice of Medicine

By Professor S. K. Mitchell

Typhoid Fever

Symptoms — The prodromic symptoms are 1st an uneasiness over the eye brows followed by headache & slight mental incapacity - Ailment of stomach & slight diarrhoea. These may last from one day to a week & more. If the patient upon these symptoms transfers his residence immediately to another locality he will in most cases escape the full attack.

Attack - Head ache on rising in the morning, chills &c followed by heat exacerbations in the evening. The skin may be moist over the whole body or on parts only or may be dry. Debility &c. Somnolency or morbid vigilance followed by some delirium but low, and sometimes very acute. Tongue not very dry at first but furred & coated,

16912

its coat sometimes pulls off during the course of the disease without being accompanied by any amendment in the disease otherwise. There is dullness on percussion over the Spleen, Gurgling on pressure in right Iliac region. About the 7th day patechiæ appear on the breast at first, about the 14 th Sudamina (small vesicles) on the nape of the neck in many cases. Dullness of hearing, ringing & buzzing in the Ears. Emaciation is one of the most marked peculiarities in this disease. Ulcerations on surface of body. Abscesses, which are favorable. Gangrenous ulcerations are unfavorable, both occur in grave cases sometimes. Any time rigidity is a fatal symptom. There is often thoracic & respiratory disorder. If any peritoneal symptoms supervene to an apparent amendment otherwise in the disease the case will terminate fatally, it shows that a discharge from the bowels has taken place into the cavity of the abdomen through the ulcerations in them.

Before the 3rd day this fever is difficult

Mitchell Typhoid Fever.

to distinguish from some other forms of fevers. All ~~disease~~ may be pronounced Typhoid fever which have no symptoms peculiar to other diseases. Dry brown nostrils, Epistaxis, dilated pupils are among the characteristic symptoms

Sudden attacks of this fever are least dangerous, Young age mortality least, specially females & in summer season. In winter this fever is the most dangerous except in Epidemics then the reverse.

About 4th day of the first septenary disease of the glands of Peyer &c commences, ulceration of the Larynx pharynx &c sometimes occurs. Brain is diseased, Blood changed, is dark & diffluent.

Treatment — In the first 4 or 5 days an Emetic is a good article to commence with. It will relieve the head ache if this is owing to disorder of the stomach which is commonly the case next a purge to clear the bowels proper a mercurial when there

Mitchell "Typhoid Fever

are bilious symptoms present. Cold applications to the head or warm poultice where cold produces no beneficial effects, and when all these fail to relieve the head apply cups or leeches. Shave the scalp before you apply any topical remedies. Select your cathartics & adapt them to the symptoms. In bilious cases mercurial, in nervous combine with musk asafoet &c. in adynamic use the least irritating & combine with Opium Camphor &c If any marked remission take place which is sometimes the case about the 7th day give Quinine If the case assumes the lingering form which this disease sometimes assumes patient lying in a trance as it were without much change, wrap him in a blanket & take him out in the country in some carriage —

Give ice water in this disease add 5 drops Spt Camph to a tumbler of it if it alone cause uneasiness in stomach Hyosciamus to produce sleep when sleep is wanted. Prevent sloughs bed sores or heal with bran flaxseed meal poultice

(1)

Prof. Mitchell

Typhoid Fever. Should be given treatment by Bleeding and an Emetic in most cases - daily purges (mild) Give Calomel gr. ½ Ipecac. gr. 1 with a little rhubarb combined, or a seidlitz powder every morning and dispense with all other Cathartics as a general rule - Calomel purges may be necessary in particular cases. Give nit. silver ¼ to ⅓ gr. several times a day from beginning whatever other remedies you may use. Topical bleeding often necessary. To hot skin apply cold ablutions, Cold skin warm bath. Late in the disease Stimulants become necessary as wine whey or Ammonia which is best, never use them until heart is found to act feebly which it may even while pulse is good - Give

Prof. Mitchell. Intermit. Fever
Turpentine in Haemorrhage.

Intermittent fever. Paroxysm will seldom keep regular hour from beginning, taking place either earlier or later first day than subsequently. In malarious cases chill will not occur in the night nervous paroxysms will. In Quotidians it occurs in the morning commonly, in Tertians about noon, in Quartans in the evening.

Pathology – Cold stage, properly the nervous stage – Spleen, liver and spine affected.

Prognosis – Eruptions (red) favourable Petechia unfavourable. Coma & decided Delirium very unfavourable, palpitations of heart unfavourable, it indicates disease of the organ.

Prof. Mitchell —— Intermit. Fever

Treatment – Cold Stage. Apply Cups & Rubifacients to spine to relieve the great pain in legs & abdomen which is owing to spinal irritation give Opium also in these cases. Apply warmth. Cold water internally.

Hot Stage. – Cold water to surface, refrigerants internally as neutral Mixt. or Soda powder. An Emetic when no tenderness over stomach is present, it acts as sedative as well as evacuant. Blood letting in some cases. Give P. Dov. in 5 or 6 gr. doses every hour or so in Nervous or Congestive cases – even Coma is relieved by Opium.

Sweating Stage – If secretion is not sufficient give Sweating draught of Quinia Op. & Spt. Nis. When excessive give cold drinks &c. It is over when brow [illegible] dry after wiping.

Prof. Mitchell —— Intermit. Fever

Treatment of the Intermission

Second paroxysm may be congestive in a high degree therefore ought to be prevented – use means to prevent the attack afterwards remove disease. Give enough Quinia during the intermission no matter how you give it. Precipitat. Ext. Cinchona may be used instead of Quinia if you please. After you have stopped the disease give some three grs. Quinia every morning for three weeks and you will have no relapse. If liver is affected give blue pill every night. In urgent cases may give Quinia even during paroxysm especially in the formula of Mitchell. In some cases Quinia will fail to effect a cure here you give some other preparation of Cinchona or Arsenic

Prof. Mitchell Intermit. F.

In Quartans arsenic appears to be the best remedy. Hydrocianoferrate of Quinia Biniod. of Quin. both in particular cases very valuable. In very nervous cases Valerinat. Quin. In very chronic cases a dose of Opium every morning will cure it, it is depending upon nervous irritation. Upon the authority of Dr. Clark of Maryland a very strong decoction of Maple bark almost as potent as Quinia in some seasons more so.

Remittent Fever.

Dr. Mitchell divides Remittents into two varieties the Malarious or Autumnal & non Malarious or Summer or Solar which occurs in high dry localities & is caused by heat

Prof. Mitchell — Remittent F.

Summer form affecting brain and stomach principally. remissions less marked than in autumnal here you have liver stom. & bowels principally affected. Different treatment necessary.

Solar Remittent.	Autumnal Remit.
Treatment. Bleeding general & local in cases which require it. Cold internally & externally. Calomel in large doses in beginning as sedative and purge especially in children, very beneficial, but must not be continued long only till cerebral and other principle symptoms are relieved.	Cant bleed much in this form, Mercurials. Quinia 16 grs & 3 ll Water, Sulph. acid. 2.S Opt. Nit 40 to 60 drops of this give a teaspoonful every two hours until patient perspires freely to bring about a more perfect remission when you may give a large dose or two of Quinia. Relapses are common.

Mitchell —— Remit. F.

Solar Remit.

Give Emetics when gastric embarrassment is great, not otherwise. In some cases must give Soothing Remedies as ice in small quantities, Soda powder or gentle Emetic as the case may require. If irritability is owing to general nervousness give Op. in pill (old) Anospasmus &c. avoid Cathartics.

Autumnal.

You must always continue Quinine. Cases which do not admit of Quinia (idiosyncratic) give Arsenic. May alternate from Quin. to arsenic in some cases requiring continuance of tonics. In some cases Stimulents are necessary always give Quin. with your Stimulents.

In dysenteric complications you cannot give foregoing articles. must therefore give astringent articles as Moseley's Solution of Catechu & Calumba which is most excellent.

Mitchell. Yellow Fever

This fever (Yellow) is a disease of a single paroxysm. It is usually fatal before 7th day. When symptoms subside on said days the patient usually recovers but if they increase on such days he will die on even day. The stomach & Duodenum mostly affected.

Treatment. Inflammatory cases require bleeding but this must be done early & boldly. Cool the surface, soothe the stomach and open the bowels. In hot stage ice internally & externally. Calomel & Saline purges. Enemata. Leeches to Epigastr. followed by ice wrapped in a cloth & applied to same region. Mercury in large Sedative doses from beginning scruple to a drachm at a dose

In second stage give Quinia acet. lead apply blisters.

Congestive Fever.

If congestion is extreme you must bleed for immediate relief. prevent a second paroxysm. Opium and Quinia combined.

Milk Sickness.

This is a Cerebro Spinal Meningitis with a peculiar affection of the abdominal viscera. Milty-brand of Germans. The disease is communicated to man from cattle; poison swallowed in milk & flesh.

Variola

Febrile stage. ushered in by chill &c. which occurs in the afternoon which circumstance more than any other will guide you in

Mitchell ——— Variola

in pronouncing as to what disease will be developed. Papula first appear around mouth chin upper lip. Other symptoms as nausea pain in head back & limbs, white tongue &c. In adults you have costiveness in children laxity of bowels — These symptoms will enable you to make an easy diagnosis at an early part of the disease. If you have great nausea, much pain in limbs back &c white tongue and have small pox within 30 or 40 miles of your neighborhood you may be almost sure of having a case of the disease in hand.

Treatment — The indications are relieve fever when too high prevent disfiguration of the patient &c. ———

See back part of notes on Mitchell.

Mitchell ——— Scarlatina

Scarlatina — Simplex. Anginosa. Non Eruptive. Pulse in all varieties more frequent than you have it in any other disease.

Simplex in this form you have throat not much affected all symptoms are mild. Anginosa you have stiffness of Jaw. throat much affected crust in fauces papilla upon tongue large. Non Eruptive occurs in adults confined to throat may have some desquamation of skin but otherwise skin not affected. ———

Anginosa. You have vomiting instead of Nausea as in simplex as precursory symptoms. All symptoms are exaggerated.

Maligna. May commence as Anginosa. but you will soon have some

Mitchell Scarlatina

marked local pain &c. all symptoms much aggravated, head ache intense pulse very much excited at first afterwards very frequent & irregular. Coma &c. breath very foetid contraction of jaws may have vomiting & purging; death may take place second or third day. If you have Coma &c as principle symptoms you have Nervous form of Malignia. In Children and especially in winter you are apt to have dropsical effusions on 14th or 15th day- may have them in adult. Not dangerous if managed properly. In most active stage you bleed after which warm bath & Doovers powder in Evening. Same as you would treat a case of Album. urea. will generally cure this affection.-

Mitchell Scarlatina

Scarlatina is the shortest of the Eruptive fevers from fist accession of fever to the Eruption it being two days.

Malignant cases prove often fatal in a very short time by the effects of the poison. Incubative stage last from 8 to 13 days.

If you loose one case in a house you are apt to loose more unless all other patients are removed from the apartment or house in which the one has laid.

Prognosis. Nervous cases are usually very dangerous Haemorrhagic also change of temper, set teeth, starts & screaming of the Child, early delerium Coma &c unfavourable.

Treatment. Dr Rush's practice was to give plenty of Calomel, mixed

Mitchell ——— Scarlatina
is even with Emetics and with all
other remedies he administered. Wine
& Colchicum an excellent article after
bleeding in inflammatory cases according
to another author. Another Author gives
Capsicum two tablespoonfuls common
salt two teaspoonfuls boil with ½ pint
water & add ½ pint vinegar & give a
tablespoonful at a dose pro re nata.
In Malignant & Nervous cases give
Carb. Ammonia, warm bath, other stim
ulents. The Germans rely on Chlorine
all these are reputed Specifics accord
ing to their Authors: The Chlorine
treatment has been adopted by the pro-
fession however & is excellent. Give it
thus— Chlor. Potas. ℥ij Acid. Chlor. Hyd. ℥ij
Aqua ℥ij keep in dark place. Of this take
℥ij to ½ pint water & Give in tablespoonful
doses pro re nata. Use it also as wash

Mitchell _____ Dear Catina

externally warm when skin is cold
cold when skin is hot.

Dr. Mitchell recommends following
plan. In prodromic stage when your
patient keep his bowels open apply ex-
ternally ablutions of Solut Chlorid. Soda,
bleed in some cases but avoid that as
a general rule, only admissible in Con-
gestive & inflammatory cases. In Con-
gestive cases apply cold to head & warm
to feet & hands, bleed topically, many
open temporal artery. Cathartic Enema
or Cathartics when head is much effected
relieve Stomach when oppressed by some
emetic. If it is depending upon debility
give Ammonia. Skin Yellow & head or
Stomach much affected Mercury will
relieve it. Many have an attack upon
bowels, Diarrhoea of yellow watery Stools

Mitchell Scarlatina

glands of Neck are here affected give Nitrat Silver it will act like a charm relieving nervosity & affection of bowels. it is also great to relieve action of heart. Where pulse is very much affected give Digitalis combined with some article to make it agree with stomach & continue it until pulse is relieved unless it affects the brain. Great restlessness overcome by cold water internally & cold ablutions if depending upon heat of surface. Sinapisms where caused by nervousness, affection of brain. Change bed, hold patients hands. In Malignant cases flying sinapisms one of the best remedies as it is in other cases of nervous irritability. Aperients are necessary. Blisters immediately behind the ears. Opium when irritability becomes uncontrollable. Typhus symptoms as bodies upon teeth

feeble pulse &c. must stimulate. If an intermission or remission occurs which is rather sudden if it take place Quinia. For treatment of throat an Emetic if not contraindicated by state of stomach or brain apply also Sold Nit. Silver or Sulph. Copper Sage tea, honey alum & myrrh excellent. remove the mucus covering in throat by wiping out with your finger covered with a rag dipped in some wash. Chlorine Gargle or where throat looks dark use Capsicum Gargle. Ice internally & externally to throat, but not externally alone. Nit. Silver once a day or oftener, both very great remedies.

Dropsical effusions following a case of Scarlatina. Bleed & purge in some cases. Digitalis where you do not want to bleed. when Eruption is repelled stimulate & use warm bath, also

Mitchell Scarlatina

give Iod. Potas. one or two grains several times a day continued three or four days & you will prevent the secondary or Dropsical attack. You apply cold ablutions to skin where skin is hot & warmth where cool in all cases of Scarlatina. Action of heart must be brought down by Digitalis Prussic acid Belladon. &c Ant acids where acidity is present. Ammonia 2 to 10 grs. where stimulants are necessary combine with belladonna which article Dr Mitchell gives as prophylactic, and also during whole course of the disease, his success has been remarkable. Dose of Belladon. 1/20 gr. to a child one year old—

The prophylactic properties of this article is pretty well established

Homeopathy humbug as it is has been productive of some good—

Mitchell Measles

The rashness of measles is characterized by its clondiness - is diffused like the rashness of spurious vaccinia. It appears first about the roots of the hair about the 4th day. In some cases you have little vesicles or blebs. In another form you have on sixth or seventh day dark spots which will alarm you if you do not remember that this occurs in some cases but without any danger. Death ensues from one cause - hepatization of the lungs.

Treatment - Patient should be kept in bed. Not much therapeutic treatment is necessary in mild cases. Give mild food attend to bowels, give castor oil, attend to the lungs. Retrocession must be prevented, or when it

Mitchell Measles

occurs must bring back the eruption by warm bath & wrapping patient in blankets & give Alum or Mustard Emet. Camphor or Ammonia as Diaphoretic or if these fail cold bath immediately followed by warm bath. If depending upon affection of any particular organ attend to that & you bring back the eruption by removing the cause of its retrocession. In some cases you must bleed or stimulate as the case may require. In some cases Opiates are necessary to overcome nervous irritation & Hares demarcated land. is best. Prevent hypostatic Pneumonia by change of position frequently turning patient on his face & other proper treatment. In Local inflammations Cal. when other remedies fail. in high doses.

Mitchell Rubeola

Conjunctivitis as secondary affection
give ¼ to 1 gr. Iod. Potas. three times
a day & Sulph Copper or Nit. Silver
collirium. To bring out the erup
tion first stage or end of it may
give Saffron tea or Iod. Potassium

Erysipelas.

Inflammation of skin and sub-
cutaneous cellular tissue, diffused
and generally progressive. Sometimes
it attacks the nervous system which
form is contagious & is the most dan
gerous. If the arterial system is af
fected danger is not so great. —
Attacking the venous radicles it is
a capillary phlebitis and this is
the most common form of the disease.
Some authors divide it into simple and
phlegmonous, most properly divided into

Mitchell Erysipelas

Arterial and Phlebitic. The latter is very dangerous: Phlegmonous diffusing into intermuscular tissue bad case. Head & face affected it is apt to be translated to the brain if trunk attacked translation will be to heart lungs or stomach.

Treatment. In some cases bleed early and largely when not contraindicated by the nature of the epidemic. Cold lotion or warm when disease is translated to some internal organ. Give an Emetic when you have bilious symptoms as yellowish tinge of Eyes dry mouth bitterness &c. unless forbidden by other symptoms, Purges. Topically apply Nit. Silver and around the part affected, enclosing it. Solution of lead & Laudanum also excellent. Ointments where wet will not be borne. Mercurials.

Mitchell Erysipelas

Some persons are predisposed to Erysipelatous attacks which will be found owing to some natural evacuation being suppressed. These cases must be treated according to indications, keep bowels in order when costiveness is the cause which it often is & the attacks will not take place. The Nitrate of Silver should be applied in solid state and immediately. In Malarious districts Quina is often necessary in treating the disease.

Erythema.

This is the simplest kind of inflammation of the skin. It is from one part of the body to another. You have heat redness & slight swelling of the skin. In some countries you have little papulae in others little tubercles, in another

form - Knodosa - you have large lamp deep in the skin appearing suddenly, in the night while patient is in bed, &c washing women are very subject to it. Erythema Intertrigo occurs in children caused by friction as from cap about the ears. Sore Nipples is the same disease. Erythema Annularum - begins in a spot & spreads being of the appearance of ring worm except that you have no elevation of the skin.

Treatment. Apply lead water, in some cases poisonous applications. Nit. Silver. Bleeding & purges may be necessary. where the constitution is affected treat constitutionally.

Urtecaria

Nettlerash, so called from its appearance. Surface elevated, white,

itchell Urticaria

evations have a red margin. Dis-
uished from Erithema Knodosa by its
te tops & its not being so deep seat
In children caused by teething &c
dults caused by excesses, unusual
ies of diet, Copaiba, Muscle fish
in stomach, &c.

atment. An Emetic every morning
ging, spirit lotion. Flour or im-
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ch are common apply tight Gar
or tourniquet.

Roseola

deep rose coloured efflorescence
nitimes of round form at other
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gins usually on trunk or limbs.
elevated surface remains smooth
ment by correcting symptoms, remove cause.

Mitchell Erythema

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Treatment. Apply lead water, in some cases poisonous applications. Nit. Silver. Bleeding & purges may be necessary. Where the constitution affected treat constitutionally.

Urtecaria

Nettlerash, so called from its appearance. Surface elevated, white

Mitchell Urticaria

Elevations have a red margin. Distinguished from Erythema Nodosa by its white tops & its not being so deep seated. In children caused by teething &c In adults caused by excesses, unusual articles of diet, Copaiba, Muscle fish taken in stomach, &c.

Treatment. An Emetic every morning purging, spirit lotion. Flour or impure carb. Zinc dusted over it will relieve irritation If Cramps occur which are common apply tight garter or tourniquet.

Roseola

A deep rose coloured efflorescence sometimes of round form at other times oblong. Is not contagious. begins usually on trunk or limbs. not elevated surface remains smooth.

Treat by correcting symptoms, remove Cause.

Mitchell ~~Gastritis~~.

Inflammation of mucous membranes. you have first change in secretion - Suspension ~~followed by~~ of same suppression, followed by excess of secretion, softening, Gangrene. In acute inflammation the redness is in patches, in Hyperaemia it is diffused which is the first step to inflammation.

Gastritis

Erythematous inflammation of the Stomach or Acute Gastritis is caused by irritating substances taken into Stomach, by suppression of Natural secretions. &c. &c.

Symptoms. Tenderness upon pressure of Epigastrium, irritability of the organ together with general febrile symptoms. Sometimes you have head ache & Selerium.

Treatment. Ice water the great remedy. Evacuate the bowels by large Enemata &

let it be discharged again immediately to avoid the absorption of the water - these may be sufficient in mild cases but when they fail you bleed generally sometimes, but topically most generally. apply blisters synapisms &c. As soon as the stomach will retain it you give a large dose of Calomel, (or acet. Plumb. as sedative from 1/2 gr to 2 grs which will be retained if Calomel will not) External application of Opium plaster will often allay the irritability. Cold & Mucilaginous drinks, or lime water & milk, a cold infusion of Rhubarb, Neutral Mixture, simple hot water as hot as patient can swallow it. very warm poultice over stomach - one or the other of these will settle the stomach. If the case is highly nervous give

an Anodyne as Opium pill (long kept) In typhoid cases, brandy & water or even infusion Capsicum. An Emetic itself when all your anti Emetics fail to settle the Stomach. A large enemata of T. Opii. The case otherwise must be treated as symptoms may indicate The acute often terminates in

Chronic Gastritis.

The disease may be chronic from the beginning, cause not acting with much force as in acute Gastritis — Symptoms. You have Eructations acid vomiting &c. Or discharges from Stomach may be of all tastes & Odours imaginable or have no taste &c at all. If the discharges are mucus you have inflammation only, if pus is thrown up you have ulceration.

Mitchell Chronic Gastritis

Patient may complain of a sense of emptiness about the stomach, sense of weight, or of sinking, tenderness of Epigastrium, Pain sometimes if stomach is empty, at other times, or other patients if stomach is full. The pain is generally most severe if it occurs at intervals. Tongue may be of many appearance, furred, smooth papillous, ulcerated, blistered, &c. Teeth decay or may ache without becoming carious. You should always look to stomach if you have the teeth ache without being decayed. You have generally costiveness of bowels in this disease, Nervous symptoms, irritability of temper or depression of spirits, head ache &c.

Prognosis— In a prolonged case of Gastritis if the feet begin to swell you may look for a fatal termination or else patient will be well soon, Generally the former.

Mitchell Chronic Gastritis

Diarrhea a very unfavourable symptom in an old case.

Treatment. Alteratives, Counter irritation relieve the inflammation, afterwards tonics &c. In some cases patient has no feeling in the organ as if he had no stomach, here horseback exercise and what Dr Chapman calls the Punchenella practice, &c of great benefit.

Ulceration

In ulceration of stomach you have vomiting of purulent matter &c. You give Gums & Nitrat Silver enforce strict diet. The nit silver is the best in Cancer of stomach.

In acidity where nothing will remain on stomach Charcoal (animal) is your remedy, also the stronger emetics.

Mitchell Chronic diseases of Stom

Gastralgia. Muscular coat is principally affected, great similarity between it and muscular rheumatism - pressure will rather relieve than increase the pain - Treatment. If owing to food having been taken in stomach which does not agree have it removed. In other cases for present relief give Tn Guiacum. Laud. or Camphor &c. Oil of amber, externally applied this is the most effectual remedy for muscular rheumatism also.

Constipation

May be overcome by some articles of food as an apple at bed time, bran bread, peaches &c. If these fail give cold water Enemata. If this will not answer give Magnesia - Super Carbonat Magnes. is soluble when calcined can not be taken, Rhubarb &c. —

Mitchell — Torpor.

Torpor of bowels, no hard stools. Owing to want of tone in muscular Coat. Your best remedy is Strychnia with some purgative article. (Strychnia & Sulphur are great as a remedy for Haemorrhoids.) Owing to hepatic Constipation give pill consisting of the following articles

Aloes gr. i
Rhubarb gr. ii
T. Antim. gr. 1/16
Calomel gr. 1/8. with a little Soap — (Mitchells pill - this is)

Long continued — several times a day if necessary

Where torpor is very great large doses of Cathartics having no effect empty the rectum with the handle of a spoon & apply cold water to abdomen after the purge has been swallowed.

Invagination

Produced by contraction of bowel and the part contracted falling into bowel

below, which is distended with gas. Concretions obstructing the bowels which are owing to Carbonates taken while there is a deficiency of acids— All these are sometimes the cause of obstinate Constipations. Hernia will be found to be the cause sometimes and you ought always examine your patient as regards this in cases of Constipation.

In Recapitulation Dr Mitchell says— In Scarlatina Sympathetic affections of the brain must not be mistaken as to its Character, as the treatment depends upon the nature of the cause which produces Cerebral disorder. In all cases of affections of the bowels Ipecac. is of much value combined with your other remedial agents.

Dr. Mitchell Recapitulatory.

In affections of the stomach when you have the skin not performing its functions you must get it to do its duty before the stomach will be relieved. In Dyspesia which is owing to a very chronic inflammation of the stomach Emetics are domotions of the greatest benefit. Gastralgia relieved immediately by a few drops Hydrocyanic acid.)

Cardialgia. you have pain in a circumscribed spot near the pit of the stomach nearer the cardiac end of the organ, pressure increases it — it may be depending either upon acidity or the opposite state of the ingesta together with an inflamed state of the region of the stomach. You remove the inflammation & then give tonics.

Strychnia when Muscularity debilitated by

Distinguished from affections of the Stomach by observing the location of the pain and the pain following your meals several hours after they are taken. You give asteratives and nit silver in pill long kept so that it will go through stomach before being dissolved.

Enteralgia = Colic.

Colic is a neuralgic affection of the mucus membrane of the bowel.

Flatulent is the most common variety brought on by improper quality & quantity of food causing irregular action of muscular coat of the bowel thereby confining flatus.

Treatment — Relieve pain remove the cause & give tone to bowels. If pain is very great relieve it at once which is done by Opiates given per rectum which you

Mitchell Colic

Can remove again after their effects are produced which you do by injection of water. Apply hot to abdomen, Spermaceti to spine which is excellent in neuralgic affections in any part of the body. Cathartics of Magnesia which neutralizes the gasses is the best article of this kind. Oil next.

If the affection has been caused by cold you must operate upon the skin Give Dovers Powder, very hot foot baths Carminatives warm bath, Cathartics afterwards tonics may be necessary Iron in anaemic cases, Quinia when there is loss of appetite in doses as you give it in intermittent fevers-this is the most effectual article to produce an appetite in all cases.

In Bilious Colic You have given here bleeding is often necessary. Calomel

Bilious cases arise from Malarious influences Quinia therefore often very beneficial. Give Opium to relieve pain as soon as you can but where action is high must be cautious in exhibiting such articles.

Lead Colic.

In this variety the principle prodromic symptoms are sallowness of skin scorbutic blueness of the gums.

In this form you have no tympanitis Brain is attacked in the worst cases, you have delirium & Convulsions which prove fatal usually. The whole muscular system is affected as is shown by the spasms.

Treatment. In severe cases you relieve pain in the first instance, by Opium & revulsives. Opiate fomentations to which add 10 grs Iod. Potas. if Op. will not relieve

Mitchell Colica Pictonum

the pain. Give the following pills

Antim. et Potas. T. gr j
Hydrarg. Chlor. M. " v
Morph. acetat " 1/3. every hal
hour until an impression is made.
You must open the bowels. If spas
have paralysis apply a Splint to the
limb which will relieve it. Calomel
and Opium are your main remedies
given as case may require.
Meals & Cleanliness prevent the disea

Diarrhoea.

This is an inflammation of the
Mucous coat of the small intestines
Symptoms. Pain, irregular discharges
from the bowels. Burning in palms of
hands & soles of feet. tympanites generally
which if suddenly increased and pain
also you have perforation of the bowel &
will kill patient. Shifting about is always a
bad sign in this almost as fatal as in Typ.

Mitchell Diarrhoea

Treatment. Topical bleeding where pain is seated. treat antiphlogistically as you do other inflammations. Gentle purges, Calomel in combination with other articles when the seat is in the upper portion of the bowel. Dip a rag in Tr. Opii & apply it over the seat of pain if pain is severe & over it a warm poultice. Acet. Plumb when the seat of inflammation is somewhat low down. Warm bath in all cases. Farenaceous diet & Mucillagenous drinks. Blue mass in small doses. Chalk where stools are acid combine it with Op. & Mint. and when discharges are alkaline give acids Mixt. Keep litmus paper with you to examine the case. You have great irritation of the rectum for which an injection of melted butter or lard with Sandaman

Mitchell On Diarrhoea

is the most soothing application. Astringents become necessary. Infusion of Logwood is an excellent one especially for children it is also tonic. Mineral astringents are generally inapplicable.

Chronic Diarrhoea.

The isolated glands are commonly affected instead of the aggregated as in the acute form.

Treatment. Limit your diet to barley water &c. & give Mucilaginous drinks. Give small doses of Blue pill combined with Opium which will often succeed in the most inveterate cases. Turpentine or Copaiba in Mucilage. Ft. Ferri Chlor. especially where there is Neuralgia with want of tone. Nux Vom. also. Light bandage. bathing.

Cal. Op. Astringents Copaiba &c are the great remedies.

Mitchell on Dysentery

Called also Colitis as the inflammation is confined to the large intestines principally - the rectum is also commonly affected. Cold attending with cold appears to be the most efficient cause, Improper quantity or quality of the injesta also common Cause.

Symptoms. At first you have pain in Epigastric region then in umbilicle & then in hypogastric region. The stools may be of every variety of appearance. If the rectum is affected the distress is great. There is a peculiar earthy smell.

Chronic Colitis follows usually acute Epidemic cases. Or rather is more commonly found to follow them. Sporadic cases of Dysentery usually end in health. You are apt to have pedimatous swellings in Chronic & in some acute cases.

Mitchell Dysentery

Treatment. In acute form you bleed in many cases - some epidemics however will not admit of it generally but may leech the abdomen. Invite the circulation to the surface by warm bath. Dr. Mitchell applies cups to the spine with great benefit. Inject colon with cold water which you can do by successive efforts. Purges are necessary Oil & Calomel best -

Bitartrat. Potas according to some as purge of great value in this disease which you ought to give a trial. Ipecac Opium the great remedy. Give it in large doses. Keep patient in horizontal posture all the time must not get up to stool so that the sudorific plan may be adopted which is of great value otherwise this would be impracticable besides getting up is hurtful anyhow.

Mitchell Dysentery

Calomel Ipecac & Opium combined thus Cal. ½ gr. Ip. ½ to 2 grs. Opium sufficient quantity pro re nata is the most effectual remedy. Tenesmus is obviated by injections of Cold water for the irritation of the rectum give injection of melted lard & Laudanum which is effectual or if no liquid will be born give acet lead in solution or nit silver as injection or if even these will not be borne a suppository of Opium. Some epidemics are benefited by blisters. Tight flannel roller over abdomen is of much value. Diet must be farinaceous & Mucilaginous a table spoonful or two at a time. In Chronic cases you give astringents both per mouth and per anum.

Mitchell Cholera

The cause of Cholera Dr Mitchell thinks is Fungi. He has observed fungus deposits on Bakers' bread & on various articles, literally covering them, about the time Cholera was prevailing.

Pathology. The serum & salts of the blood are diminished often to a very great extent, which is effected by the watery evacuations from bowels. The carbon is in excess, it cannot be carried out of the system from the blood not circulating freely or the diminished quantity of the salts which appears to be the natural vehicle for its removal. It is in great excess.

Symptoms. At first slight diarrhoea, nervousness, fear &c. All cases exhibiting any Choleric symptoms at all are probably owing to the same

Mitchell Cholera

cause - the poison only not being received in sufficient quantity by the system or the system being in a more unfavorable state for its full effects to be established, otherwise in Cholera season you would have more cases fully established when then you have many cases of this disease because in a mild form they are not supposed to be Cholera at all. A case fully developed will exhibit following symptoms - sickness of stomach, vomiting & purging; stools have appearance of rice water. pulse at first not affected but soon gets small & hurried. Skin at first pale then of a lead colour, intellect not much affected. Cramps in lower extremities

Mitchell Cholera

at first but also in Stomach & upper intestines soon after. It attacks commonly in the night. There is a sense of extreme exhaustion, skin cold, livid, patient complains of being hot although skin is cold. thirst is great. tongue moist but cold. respiration oppressed, countenance sluggish. Unconcern of mind. Cramps are not always present. retention of urine. Antecedent symptoms to an open attack are Diarrhea or Constipation Cramps in Calfs of legs &c &c. Emigrants or soldiers coming into a cholera district will be attacked suddenly - no antecedent symptoms at all

Mitchell Cholera

Treatment. In the antecedent stage check the symptoms bleed when you have a hard pulse. for the Diarrhoea give Cal. & Op. ½ gr each with some gentle stimulent Treat as you would an other case of diarrhoea excepting the use of Purgatives. Farinaceous diet with a little spirits. If Patient is costive give Enema or if necessary a little Cal. &c. In an Open case of Cholera when you have vomiting purging & Cramps &c you arrest in the first place the discharges, for this purpose use Sedatives as Stimulents and alteratives combined As pill of Cal. Op. & Acet. Plumb. with Cap. & cum a grain of each very

Mitchell Treatmt. Cholera

frequently repeated in bad cases
this is better than to give large
doses of Op. you can control the
case better. Apply Cold, frictions
Tourniquet or warm bath for relief
of spasms Cold cloth immediately
to cramped part or Chloroform
best. Give in doses of 15 drops
often repeated. This is Dr Mitchells
plan of treatment. Choleric
symptoms relieved you are apt
to have Typhus symptoms which
must be met by proper remedies
Chloroform appears to be a great
remedy, being sedative to nerves
& stimulant to circulation. Abstraction of blood from local inflammations necessary. Emetic mode
which consists of Mustard a tea

Mr Tebell Cholera

spoonful with two teaspoonfuls of common salt given as often as necessary found very successful in cases of collapse by Dr. Stokes of N. Jersey & others. Carb. Soda great remedy in this disease according to an English Surgeon Beef steak well peppered & salted according to Quarantine Physicians at New York. This was found to have an astonishing effect. Nutrition & Salines being wanting such treatment is rational. Upon this view of the case the best mode of treatment will be Carb. Ammonia, Labarac's liquid internally & latter as lotion externally also as in Scarlatina this will diminish the red globules of blood which are in great excess, and

Mitchell Treatmt. Cholera

increase the watery & saline constituents which are diminished, or use Chlorine washes rather than Labarac's Liquid. In extreme cases counterirritation of great service use here Synapisms or Actual Cautery or Turpentine & Ammon. lineament along the spine applied by a long strip of cloth with a heated iron pressed over it until it is dry. Excessive reaction sometimes follows depressed state here you abstract blood, &c.

For Typhus which is common after a case has been brought out of former state you may use Ipecac. Cal. &c. Nitrat Silver in particular. Restore functions of the Kidneys by warm bath together with such diuretics as will

S. Mitchell Cholera

not act on the bowels as Spt. Nitre in doses of ℥j. For Indigestion which is often a signal of this disease, depart patients ought to be taken into a new locality when every thing is changed.

Inflammation of the mouth.

Treatment. Use cold mucilage astringent washes. If caused by mercury do not use lead it will stain it black.

Ulcers in mouth. — at the time of forming touch with Nitrat of Silver. Use same also when they are fully formed.

Tonsilitis

Abstract blood where indicated apply cold. as ice. Cold mucilage.

Introduce your finger with a cloth wrapped around it dipped in cold water & wipe the viscid matter off the surface of tonsils & throat. May use the domestic Gargle consisting of sage tea honey & alum or borax. Nitrat silver excellent.

Laryngitis. (acute)

Produced by various causes. among the most common are heat & cold sore throat often runs into this disease. inhalation of vapours of Iodin. Symptoms. Hoarseness change of voice. this is a certain symptom is always occasioned by a change in larynx, an inflammation in it. you have Cough, pain on pressure. Oedema taking place you have difficult inspiration while expiration is comparatively easy - this

Mitchell Laryngitis

is called Sub Mucus Laryngitis here you have swelling of glottis as you can feel by examination with finger which distinguishes it from Croup. In Oedematous laryngitis folds of membran laryngo Epiglotidis are infiltrated and causes suffocation when extreme, this is sometimes called Closing of Epiglottis.

Treatment — If the disease advances you must use bold means for relief, Bleeding, Emetics, Synapisms If glottis closes nothing will do much good except introduction of tube in trachia, Operation of tracheotomy or Dr Greens Mode of Applying Nitrat Silver to the parts.

Mitchell Chronic Laryngitis

This disease may depend on Scrofulous, Syphilitic Tubercular or other specific cause

Symptoms - Hoarseness, pain on pressure, there may or may not be a cough. After ulceration has taken place food will fall into the larynx producing cough at first but after awhile foreign bodies seem not to cause so much irritation if any at all. After the disease has progressed for some time you have hectic & Aphonia may then take place - this is called Laryngeal Phthisis - The parts being in motion when the person is talking you must prohibit talking.

Treatment. Treat as cause may direct. Applications of Caustic

Mitchell Laryngitis

In many cases it is important in the treatment to have an issue in some adjacent part. Emetics highly beneficial in this as in other inflammations of mucus passages. Laxatives - Diet spare patient.

Croup.

The seat of the inflammation is commonly the trachea and larynx both, the bronchia also often implicated - it begins in the pharynx in some epidemics Croupal attacks are very apt to assume the Membranous form when Diphtheritic diseases as Scarlatina &c. prevail spare an purge patient particularly on your guard at such time.

Mitchell Croup

Treatment of Croup - must be prompt. The disease being inflammatory & spasmodic must treat antiphlogistically & subdue spasm if present & prevent when not present. In the first place give an Emet. of T. Ant. This is an excellent antispasmodic in these cases. Especially where there is a diphtheritic state of the blood will the case require heavy doses of Med. to produce any effect. After the Emetic the warm bath - If this treatment has not done any good you repeat it immediately. Afterwards give a dose of Calomel in all cases & you will not have a relapse. Application of Calomel in powder thrown into pharynx excellent remedy.

Mitchell Croup

An application of Tobacco to throat externally a plaster of Pulv. Camphor with lard spread thick on flannel & applied upon anterior part of throat and chest most valuable to guard against spasm and as a derivative this is better than Tobac. In many cases bleed, in all that are not relieved by the foregoing treatment. may bleed from Jugular vein. in these cases may apply T. Ant. oint. R. Also when emesis is difficult to produce mix two articles together. Must give Nauseants in this disease as T. Ant. 1/4 gr every fifteen minutes. By applying T. Ant. in very strong solution upon

Mitchell Croup

will produce the eruption in a few hours - apply it with a rag saturated with the solution.

If membrane is formed you can see it sticking up through Epiglottis can feel it also. give an Emet. to dislodge it & Spt. Turpentine per Anum & apply external remedies. If your endeavours fail to disengage the membrane must resort to the Operation of Trachiotomy ~~for~~ mode of Dr Pancoast the best He keeps edges of the wound separated by a wire around the neck both ends fastened in the wound by being bent into hooks, also a piece of the larynx removed to prevent closure of the opening. May use Dr. Greens application of Kit

Mitchell Bronchitis

Bronchitis - in the usual form is not a very serious disease it is very common and not dangerous unless terminating in Chronic disease which it may most dangerous when minute air cells are affected.

Treatment - Bleeding, nauseants Calomel. No Mischief from Cal. if you stop using it upon the first appearance of its effects relieve the prominent danger & then relinquish its use. Blisters are often valuable in this disease latterally, give demulcents as Sugar & Acids. Sugar Gum and some Nauseant makes the only good expectorant add Opium. Air passages clogged with mucus causing asphixia must give stimuli

together with an Emetic as Cox's Hive syrup or Emetic worked off with a little brandy & warm water when this occurs (Asphexia) you have finger nails &c. turn blue &c.

Chronic Bronchitis.

Diagnosis impossible except by examination of case with the Stethoscope.

Treatment - Bleedings, Emetics or Nauseants, Alkalines to relieve the thick viscid mucus for which Carb. Soda is the best. The balsams, revellents, where debility is great Cubebs of great utility so also is Copaib. &c. Iodine Mercury. Inhalations. The respirator to protect the air passages from cold &c. Application of Nit. Silver per mode of Dr Green.

Pneumonia

Together with the other symptoms you have a peculiar flush of the face somewhat dark red. Of all inflammations in this you have poison of the blood increased the most. In the beginning of the attack you have the crepitant ronchus which lasts only until solidification takes place which is indicated by dullness on percussion. You have nothing but bronchial respiration which is marked, when the cells are not entirely involved you have some crepitant ronchus still remaining. At first you have bronchos respiration only soon after inspiration also. This state of things obtained you have crepitation returning modified called sub crepitant ronch.

Mitchell Pneumonia

Third Stage - patient seldom recovers after this Stage. Here respiration more hurried. face dirty yellowish &c. bronchos respiration absent without crepitus returning - You have bronchial ronchus or rattle. Sputa changed to appearance of pus prune juice

Pneumonia is most fatal when it attacks top of lung, middle lobe least fatal: When the brain is much affected the danger is great: Nervous debility bad sign. When supervening to measles or small pox it is fatal unless you are prompt in relieving the case in the beginning.

Treatment. In the first stage diminish action of heart and reduce the fibrin of the blood

Mitchell Pneumonia

For this reason you bleed boldly. When this is followed by cerebral irregularity, prolonged syncope feebleness of heart's action cool skin &c you must not repeat it generally but may apply cups may use dry cupping in feeble cases. But must not confound a feeble case with one of extensive inflammation of large portion of the lung which causes prostration these cases are relieved greatly by every bleeding the repetition here will increase the strength of the patient by relieving the cause of the great prostration. Resort to bleeding fast. Antimony ranks in this disease Calomel in large doses the best in Children also in bilious cases

Mitchell. Pneumonia
Calomel is also the best article
after the first stage in all cases
next in importance is Digitalis
You give Calomel in large doses
in first stage in second stage
small doses to stimulate the
absorbents & diminish fibrin of
blood add to Cal. Ipc & Y. Ant. &
give nitros powders. After the
inflam. has been reduced to a
great degree by bleeding or blisters
are of great efficacy. Small blis
to extremities when brain is
in any degree affected.
Third stage you must stimulate
give alcoholic stimuli with Cin-
chona also Ammonia Combined
with Opium Gum &c. as you have
the fibrin diminished in this
stage you give the Ammonia &

Mitchell Pneumon.

Chlorine to increase it, bringing back some inflammation again & your patient will recover.

Adynamic Cases require stimulation internal & external and when you have raised patients pulse by this means sufficiently you take a large quantity of blood, which you do gradually by this means you will bring the case to assume the common form of Pneumonia

Typhoid Pneumonia Give 20 to 60 grs Musk at a dose

Asthma

The Cause of asthma ~~is~~ may be depending upon a disorder in Circulatory, Nervous or pulmonary systems, whatever may be the cause the Spasm is produced

Mitchell Asthma

by contraction of the muscles of the bronchia and other respiratory muscles. There is hardly any organ which sympathizes with the lungs when in a morbid state or irregular action may not bring on the paroxysm.

Symptoms. Physical signs— may have Emphysema or the opposite in lungs— resonance will be accordingly. In prolonged cases you have the former, in humid cases percussion will show little resonance at first.

Treatment— In the paroxysm must correct the irritation of the bronchial muscles by blood letting & revulents or by an emetic which is highly beneficial and answers the purpose admirably. If

Mitchell Asthma

give Opium. In one case you
adopt one mode in another you
make use of another just as the
case may seem to demand to gain
your object which is to allay the
irritation. Lobelia as an Emetic
is most excellent article. Opium
the best remedy in nervous cases.
A strong infusion of Coffee is
the best remedy in nocturnal
attacks. In hysteria assafoet.
Inhalation of ether is an excellent
remedy but as the attack is often
depending upon disease of the heart
it is dangerous to give ether.
Stramonium smoked in pipe.
Tobacco fresh grounds coffee &c
Inhalation of Benzoic acid smoked in
a pipe will relieve a paroxysm very
quickly.

Mitchell Asthma

Nitrated paper burnt in the patient room very effectual. After the paroxysm may give some expectorant. The dried root of Stramonium prepared in a dark place & kept in a sealed bottle and smoked between paroxysms will often prevent a recurrence

Pleuritis

Treatment. The indications are to relieve the inflammation & fever by bleeding general and topical the latter will generally suffice & is best to relieve the pain. Prevent effusion & adhesion give Cal. Sp & Opium. Digitalis after inflam. has somewhat subsided. Effusion having taken place Iodine internally & externally. Or Cal. Squill & Digitalis three to six grs of Cal. a

Mitchell Pleuritis

half to 1 gr Squill & 1/4 to 1/2 gr. Digitalis every two or three hours, this is the treatment preferred by the Americans At the early stage of the disease if you bleed from arm bleed largely at once & you prevent effusion, small bleedings increase the tendency to effusion. Blisters are generally necessary if cupping has been neglected, they are applied in latter stage or after most acute stage has abated, they will relieve the pain, effusion, and restore tone of muscles which have become inactive, paralized. The coloured & indians bear bleeding badly in all diseases. Paricintesis is sometimes necessary - be sure to tap where the water is. take small portion of the effused serum pus &c rest will be absorbed

Mitchell Phthisis

Phthisis Pulmonalis

This disease is caused by any disorder which will pervert the functions of organs. Any thing which will awaken predisposing cause to action. Dr Mitchell thinks the disease is communicable from one person to another by close contact, as children or man & wife inhaling one another's breath. The most common cause is hereditary. The disease is divided into the periods of deposition, softening and excavation. Softening begins in centre of tubercle. The matter has much the appearance of pus. When the tubercles undergo the change the blood vessels both arterial & venous become obliterated

and new vessles are formed in the parts. When the tuberculous matter is evacuated the parts are occupied by cellular deposits & tortuous blood vessles forming an irregular mass in place of the cavity, ~~in which case~~ under which circumstances the patient sometimes recovers. ~~the patient may recover.~~

There is commonly a slight cough from the beginning of the depostion of the first tubercle, the cough may be periodical or otherwise, continuing all day the same. The sputa is transparent greyish or greenish tint. Tongue of a striated or feathery appearence in the centre. Spitting blood is almost without exception depending upon tuberculosis in a male subject. Other symptoms as pain or unusual sensibility

Mitchell Phthesis

of the chest (exterior) pain or rawness or tickling in large bronchi Hectic, night sweats &c. may have hectic without a chill or without sweat or without heat in particular. No other disease can produce tuberculosis but will accelerate its developement when the system is predisposed to it. Puberty is the worst period of life for consumptives old age most favoured especially in males. Women & youths are carried off more rapidly & more surely than men somewhat advanced in life. Haemorrhage though profuse it may be is not accompanied by immediate danger but a sure sign of Phthesis in men. Death is sometimes sudden, from perforation of lungs or disease of bowels &

Mitchell . Tuberculosis

You have a peculiar irregularity of respiratory murmur, somewhat interrupted, depending on deposits upon the walls of bronchial tubes. In health the murmur is continuous & regular. Percussion, with these symptoms, will distinguish Phthisis.

Prognosis — Always unfavourable. Young women are sure to die within two years from first appearance of tubercles unless she is married.

Treatment — For the cough give some expectorant as in Bronchitis excepting the addition of Opium. For night sweats may give an opiate if admissible, or wash the surface with solution of alum, but if you check this you will have Diarrhoea. For Hectic give nitric acid or Quinia

Mitchell. Phthisis

Counterirritation is of much service
Arsenic to prevent recurrence of
Hectic or intermitting paroxysms,
after having been relieved by some
preparation of Cinchona. Digitalis to
bring down the pulse. Three drops
three times a day is enough. The
same also for Hydropic effusions
the best remedy. To check sweating
which causes exhaustion wash
surface with saturated solution of
Sulph. Alum. in whiskey at bed
time. For Diarrhoea which if it
occurs in beginning of disease is
owing to deposits of tubercles in the
bowels you give tonics & astringents
also an opiate injection at bed time
and invite the circulation to the
surface by flying synapisms which

Mitchell Phthisis

you change from place to place obtaining a large extent of surface to the rubifacient action. This also prevents night sweats to a great degree. Port wine & beef steak will improve a case exceedingly temporarily bringing the patient out again especially if accompanied by exercise in the open air on horseback the patient taking at the same time digitalis if his pulse is continuous. This will do a great deal for consumptives. A setone inserted about the insertion of the deltoid muscle consisting of a skein of silk which you remove thread by thread very gradually to prevent too great a change by sudden healing up but this remedy is of questionable benefit - You will adapt your

Mitchell Phthisis

your articles to the case under-
standingly & you will do your patient
a great deal of good if you fail to
cure him. Where the fibrin of the
blood is in excess you may do a
great amount of good by giving
Mercury. You treat this disease
as you do any other attending
to Symptoms. Poisons as Arsenic
are the best remedies in incipient
cases which must be continued
a long time in small doses
improving thereby rather than
disturbing digestion. Iodine
will bring on Haemorrhage and
is therefore not well adapted to
a disease which has a disposition
to haemorrhage from lungs. Cod
liver oil an excellent cough

Mitchell Asthma

mixture & excellent article to accompany your other remedies, but it alone will not cure the disease. In scrophulous cases when Iodine is the great remedy this is the best article you can give.

Change of Climate not recommended by Dr. Mitchell. He prefers exercise in good air protected by respirator, good horse & good food not stimulating but generous, good home & cheerful company, which are not to be had by persistent travels abroad.

Pertussis.

Whooping cough is sometimes the cause of Asthma by producing dilatation of the bronchia and Emphysema of the lungs. It is a contagious disease depending upon a poison

Mitchell Whooping Cough

entering the circulation & attacking the organs as lungs, stomach, brain. Symptoms. At first the same as a common Catarrh & symptoms of an irritation of Mucous membrane of the stomach. Second stage the nervous symptoms present themselves you have the whoop. In some cases you have the brain much affected, have blindness convulsions &c. You have paroxysms often provoked by extrinsic causes as anger &c irregularity in anything, overloaded stomach, in the medicines they are brought on in fact by such causes. Complications with Pneumonia, diarrhoea (watery) eruptions like small blisters. aphthae, are signs of great danger in children.

Mitchell Whooping Cough

Treatment. The patient having some disturbance of circulation & innervation in the beginning attacking the brain &c sometimes severely, first stage being febrile, under these circumstances if you have great determination to some organ you deplete by cups or leeches. You have great quantity of Mucus &c in stomach & bowels which if not thrown off is sure to affect the brain, you ought therefore give an Emetic if not contraindicated by the state of the brain - it may already be affected in such a manner as to forbid an Emetic. Give a large dose of Calomel, Allay nervous irregularity & attend to stomach & liver afterwards give Carb Soda Neutral Mixture &c. As long as inflammation

Mitchell Treatmt. Pertussis

lasts treat antiphlogistically. In the second stage give Cox's hive syrup if action is subdued sufficiently, give it in nauseating emetic doses. If bronchitis is a manifest symptom, Muciperous glands much perverted you give Cal. or Iodin. to change the state of the Mucus Membrane. Revellents to allay the nervous disturbance which is a prominent feature in the disease - Do not omit their use. Antispasmodics are of much service. Where there is much pain, want of sleep or restlessness give Dr Hares Demarcatus Laudanum. Assafoe & Hydrocyanic acid both very valuable medicines in this disease. Ether inhaled, Chloroform not inhaled 2 to 4 drops. Vaccination &c.

May have hypertrophy, dilatation, atrophy, softening, or fatty matter deposited instead of muscular after the absorption constantly going on in all organs. Membranes may be altered by inflammation and you have deposits of lymph and fibre deposits.

The sounds of the heart— The blowing sound is caused by the contraction of aorta & regurgitation of blood through the valve when diseased. The sound most distinct about the upper part of the heart the disease is at the mitral orifice if you hear the sound most clearly about the apex & left side it proceeds from the mitral orifice.

You may have bellows & blowing sound from change of blood as in Chlorosis.

Mitchell Diseases of the Heart

Hypertrophy of the Heart - May be centrifugal, dilating the heart outward or centripetal dilating it inward & diminishing the the cavity - Apoplexy is often the cause &c

Symptoms - Healthy countenance with hard unyielding pulse and occasional pain in the region of the heart. Increase of the solids of the blood.

Treatment. Bleeding Dieting Digitalis Exercise. If this fails a seton is an excellent remedy, if this also fails Mercury - By these measures you succeed generally.

Dilatation of the Heart - You have a decrease of the solids of the blood, action feeble, pulse compressible great noise of heart's action owing to

The change of the blood - a want of red blood - change precisely opposite to the blood in a case of Hypertrophy. Treatment - Upon must change the blood by the Chalybeates and animal food, Exercise in a carriage or on easy horse but avoid all violent exertion. Should not mount horse by the Stirrup it is too violent exercise. Gr. Digitalis 3 drops three times a day together with your mineral tonics. Examine patients pulse every time you see him in the recumbent posture in this way you can discover any change in heart's action - he ought to be in this position several minutes before you examine him.

Cardiacous deposits can only be palliated - give Digitalis or Prus Acid

Mitchell Disease of the Heart

Endocarditis

As in other inflammations you have the blood changed - have irregular action & pain about the heart, you hear the blowing sound if you lay your ear on patients side - The blowing is not always a bellows sound - The heart may produce a friction sound in this disease.

Treatment - Must be highly antiphlogistic immediately. bleed largely generally & locally use tartrate & other sedatives very low diet, perfect rest. This will usually cure, if it do not give sedative doses of Calomel followed by cathartics. If the Disease becomes Chronic use Digitalis, Hydrocyanic acid

Mitchell Endocarditis

which article you should prepare yourself. Tonics be even necessary. Spt. Terpentine is the best for reabsorption of coagulable lymph which you give with Spt Nitre in Combination.

Pericarditis

The pericardium being of the same tissue as the serous membranes of the joints is the reason that this disease is so often associated with rheumatism.

Symptoms - At first you may have friction sound from dryness of the membrane, also in the latter part of the disease when lymph has been deposited. After the dry stage you have Effusion

Mitchell Pericarditis

filling up the sack which is known by the dullness on percussion over the region which is much more spacious than in health, and the stroke of apex of the heart is not in the right place - it striking through the water changes its direction, by this the disease is distinguished from other affections of the heart.

Treatment - Bleed, cups to the spine as in rheumatism - is the best remedy, sedatives as T. Ant. To remove the serum use Calomel Squill & Digitalis as in other effusions in chest - use fresh Squill. you can keep the Squill always fresh in a flower pot, you as much Squill as the stomach will bear, Digitalis sufficient to act as a

Mitchell Pericarditis

sedative Cal. sufficient as an alterative. this is the best. Sodium next best. Turpentine when the effusion is Symphous.

Rheumatism.

This is an affection of the fibrous tissue, usually attacking the joints: attended with pain commonly & effusion into joint. The inflammation is distinguished by peculiar actions of the part affected. the large joints common the seat of the disease but is translated from one part to another which is peculiar to rheumatism. Where you have a puffy swelling of a joint, most tenacious, it is synovial inflammation. The duration of the disease modifies your treatment. the measures for cure

Mitchell Rheumatism

Disease of the heart most commonly accompanies this affection in persons between the ages of 15 & 30.

Pathology - The essential seat - the point of rheumatic irritation is the spine or cerebro spinal access - It may be owing to a specific cause as syphilis in which case the seat is not the ordinary one of course.

Treatment - Should be directed to the spine in most cases - if the disease is owing to some specific cause this treatment will not do. Rheumatic inflammation ~~therefore~~ being sympathetic your best plan is to apply cup to spine & counterirritation to same. at the same time give Spec Hydrocyanic acid or digitalis a sedative

Mitchell Rheumatism

Hydrocyanic Acid has proved very successful in Dr Mitchells hands in this disease and also in Delirium Tremens as a sedative to irregular nervous action

Diseases of the Liver

Hepatitis. The liver being a sluggish organ your remedies must be continued sometime after disease may appear to be removed. As long as the skin does not perform its functions properly the liver cannot be in a healthy condition - You ought therefore use the warm bath & continue it for a long time. Your remedies are bleeding in some cases, Cups best. Calomel, blisters, warm bath. Quinine in malarious districts. &c

Mitchell Biliary Calculi

Treatment - Relieve the pain by inhalation of Aether. Warm bath to relax the duct through which the stone passes. May bleed in some cases. Aether is the great remedy, however.

Enlargement with Induration of the liver producing dropsical effusions & haemorrhoids by obstruction in portal circulation

Treatment - Mercury Iod. Potas. or Arsenic. Either of these will cure ascites depending upon this state of the liver. Your treatment must be chronic as the disease is so.

Abscess of the liver - Is known by symptoms which are common in suppurations as chills &c. - If it points externally

Mitchell Abscess in liver

you open it by repeated application of caustic thereby making an opening in this way you can avoid of having pus extravasated as when you open with the lancet. You treat this case otherwise as you treat hectic, by small doses of Quina, Mineral acids &c If the abscess opens into the bowel you have vomiting of pus &c if it opens into the lungs this discharge comes away by cough &c

Milk Sickness - Trembles.

Caused by the food taken into stomach possessing some poisonous property - Is not owing to miasm. Is not in water. The disease is confined to the new

Mitchell Trembles

Western States. Cultivation of the soil destroys the cause The disease mostly prevails in August & September. Is said not to occur in spring. Is destructive to cattle and the disease is from them communicated to man ~~through~~ by means of the use of animal food, the cause operating on organs of digestion.

Symptoms in man — peculiar factor of breath, Constipation vomiting, feeling of uneasiness trembling &c before vomiting commences.

The attack — Nausea & vomiting which commonly last throughout the whole course of the disease, Enlargement of the abdomen, doughy feel especially to the right of the umbilicus Costiveness is difficult to overcome except by active measures. The disease usually runs its course in

Mitchell Milk Sickness

about 6 days — Tongue is at first furred &c. cleans off during the course of the disease & becomes red. Abdomen is often painful to the touch right side especially. Stomach is inflamed &c in fatal cases.

Treatment — Allay irritability of the stomach, remove costiveness support strength — Cups leeches &c to Epigastrium, Alkalines — V. Opium & Acet. Plumb ~~(No Emetics~~ These for the stomach when inflamed Enemata & Cathartics, Topical bleeding in affections of the head, Stimuli when patient begins to sink (vol. Alkali) perfect rest & Calomel. No emetics when stomach is inflamed.

Mitchell Small Pox

Variola

Definition – An acute inflammatory contagious disease affecting on 3rd or 4th day the Skin. The Eruption pustular, pitting in centre scabbing and falling off about 3rd week – Varieties: "Distinct" in which each pustule is separate. "Confluent" pustules are Coherent, "Semmi Confluent" pustules are in clusters. "Maligant" & "non Maligant" Stages – Incubation, Concoction, Eruption Desquamation.

Incub. Stage – Irritability, whiteness of tongue &c, 7 to 14 days between this & febrile or Eruptive stage which is ushered in by inflam. fever, pain in limbs & back, chill & flushes, lassitude, pain in back of head, irritability of Stomach, nausea & Vom sometimes very severe. Tongue at first white then brown. Bowels costive at first, Cerebral symptoms sometimes. Coma &c. Haemorrhage sometimes, on applying leeches especially, or any wound &c.

Mitchell Small pox

A peculiar odour of breath & from exhalature from the skin, it is very strong. On appearance of the eruption febrile symptoms abate, which if violent often prevent or retard the eruption. About 3½ days after chill the eruption appears. Papulae first appear in a circle drawn between chin & upper part of the nose, & within 2 days extend over the whole body. (In the mouth & fauces red spots may be seen before the eruption.) Erythematous eruption often precedes which if of a deep red, scarlatina colour, you will have a grave & confluent form, if of a rose colour you will have a slight case. Sometimes there is intestinal disturbance, Thoracical also. From 3rd day depression in centre of pustule may be remarked, increasing in depth, occasioned by cuticle being adherent to parts beneath, the adhesion being ruptured the pustule breaks & an odour evolves. Swelling of face enormous sometimes, when severe complications are present suppurative process is disturbed. Decline about 8th day of eruption

a crust now begins to form, areola begin to disappear. Crust may become dark. 5th Stage Secondary fever which is owing to irritation in the bowels & keeps patient down. In Children there is frequently an affection of the eyes. Sometimes Cerebral fever in Children often falling off of scales.

The pustules are invariably smaller in the face than elsewhere. Period of greatest danger about the time of swelling of the face or when hands begin to swell which is a little later. The throat affected in a manner as in Typhoid fever & other parts diseased as in this disease, sometimes, occurring about 6th day of the Eruption — Lungs indurated, Pleurae diseased, Encephalon, Gastro Enteric membrane &c. Blood much changed.

Cause — Contagious.

Liability — ages of 15 to 25 as in Typhoid fever liability greatest, modified by change of Idiosyncrasy.

See End of book.

Dr. Mutter. Inflammation

Products of inflammation -

Pus is broken down tissue or plasma arrested in its progress of formation into tissue - it is the granulation cell disorganized or dead mixed with serum.

Cicatrix - You must prevent contraction (in narrow cicatrix) by splints which must be applied for a long time but they must not be constantly applied, without intermission.

In the Operation for extension adhesions you cut out the inodular tissue entirely & apply the modeling process (water dressing) after the space is filled up with your flap.

Ulceration - a wound which has no disposition to heal

Dr. Mutter Products of Inflammation

Mortification. Traumatic Mortification proceeds from acute inflammation. Cold Mortification occurs in old people. Dry Mortification You have no effusion. Humid Mortif. you have swelling & effusion of serum. Potts Mortif. beginning in toe & gradually in old persons. Hospital Gangrene. Depending upon vitiated atmosphere. Specific Gangrene. Constitutional Mortification owing to mental depression or constitutional disease.

Treatment. Bleed & use antiphlogistic means in traumatic cases. Cold applications locally or apply blister extending above & over the parts & some way up sound parts. This you do after bleeding & cold applications &c.

Dr Mutter Mortification

In other varieties of Gangreen, not traumatic you apply Poultice &c & keep the limb clean. Give Opium &c. In most cases before amputating which is often necessary you wait for the line of demarkation which nature establishes. but in very rapid cases you cannot wait for the red line.

Wounds

First cause of danger. Haemorrhage, Second Tetanus 3rd fever 4th Erysipelatous inflammation 5th Hectic fever, Mortification, Metastatic abscess which may be in the limb, lung, liver. Stomach brain &c you have a change in wound, fever &c

Dr Mutter Wounds

All simple wounds you ought to heal by first intention.

Wounds of Arteries

A large artery being wounded, where you have internal hemorrhage you want to have the clot formed as quick as possible to act as plugg to the opening, you bring this about by venesection from a large orifice or two to produce syncope, perfect rest of body & mind, cool drinks &c..

Lacerated Wounds.

If the limb is not too severely crushed, have any pulsation in it & patients constitution is good you can save the limb. If inflammation occurs you must treat actively from beginning

Otherwise sloughing will be the consequence as vitality in the part is below par. Prevent burring of pus by Opening, and contact of pus with the neighboring parts as it is irritating. You can bore a hole through the splint which supports your dressing (Warm water) apply a piece of Sponge to the hole to catch the pus. If amputation is necessary wait until reaction has taken place.

Contused Wounds.

When an artery is opened by the projectile causing effusion (Thrombus) apply cold to coagulate the blood to stop further effusion. The Tumor will be absorped if you apply Compression & use antiphlogistics

Mutter Contused wounds

If inflammation take place bleed patient & open the tumor & apply warm water dressing or a poultice. When the skin threatens to burst while bleeding still goes on puncture the tumor & draw of the blood, which you can do with your mouth & suck it out. In cases of great nervous shock must use stimulants apply them per rectum when stomach has been hurt must not give anything per stomach in such cases at all.

Punctured wounds

Do not cut out a needle from a joint, in other parts make your incision large enough to extract the foreign body. Bathe in the hole of the last re-

apply lye poultice after the foreign body is removed. If your patient complains of chilliness & twitchings, in any of the foregoing wounds you must act very promptly & check Tetanus which is about sitting in Opiates are your chief remedies.

— Disease of Bones —

Ostitis.

Known from periostitis by the absence of all fluctuation. You have pain, increased by pressure & jarring. Treat promptly by antiphlogistic battery. If suppuration take place apply a blister followed by poultice to scatter the suppuration, if this fails you open it. Trephining necessary in deep seated abscess. If you have

circumscribed pain you have circumscribed abscess this you open. Chronic cases you treat by counterirritation, alteratives of which Iod. potas. is the best.

Caries.

Ulceration of bone with constitutional disorder. If by examining the ulceration by probe or finger you have acute pain you have the inflammatory stage pain diminishing & you have nipple like tumors externally you have the second stage which requires very different treatment from the first.

Treatment – First stage, leeches & cold applications, rest and constitutional remedies as the case may require.

Mutter Caries

Treatment of Second stage — Counterirritation, rest, constitutional remedies alteratives — Cutting out the bone not generally necessary. Case becoming indolent you must cut out a piece of the bone or amputate. Make artificial joint in cases of head of head of the bone the diseased part, after this is removed you will have plasma effused & cartilage formed which you must prevent assifying by moving the limb. In Superficial Caries you scrape the diseased bone off or may kill it by the actual Cautery or Cauterizing Acid applied sufficiently.

Matter Necrosis

Necrosis is not merely death of the bone but the phenomena which precede & succeed the death of bone. It takes place principally in the long or hard bones. Caused generally by inflammation. Anything which stops the integrity of the periosteum may cause it, but will not always as the nutrition of the bone may be supplied otherwise. There are three varieties - the external, the internal & the complete.

Symptoms - inflammatory group of symptoms - You have osteitis, have swelling which speedily becomes soft. Then you have opening with pus discharging -

Matter Necrosis

your probe will come in contact with a hard body, you have a wringing sound if you tab the bone with a sound.

In the internal or complete you have not the soft pulpy tumor: you have the sequestrum invaginated in the internal.

Formation of the Substitute bone = The periosteum being sound you have in the first place a degree of inflammation of this membrane by which plasma is thrown out and this is condensed into bone. If the periosteum is dead you may have the ends of the bone & surrounding soft parts throwing out plasma

Matter Necrosis

When the periosteum is sound the pus will make the openings through which to escape, forming the Chloaca, in other cases they are owing to want of plasma in the part when they are established.

Prognosis— You ought to be guarded in your opinion as to the prognosis.

Treatment— Attend to the constitution in the first place give mercury, Iodine, Iron, as the constitution may demand. In the separation of the matter or formation of the new bone surgeon has very little to do. palliate the symptoms, but let your patient until the bone is loose then take it away immediately

Mutter Necrosis

If necessary you must cut it out, which is where the dead bone adheres which it may by the organization of the lymph &c.

In the internal it is necessary always to cut the opening larger which is done by the saw (curved or Hay's) cutting forceps &c then pull out the dead bone with forceps. After this you put the limb in curved splint as if it were a fracture and for as long a time.

Osseous Aneurism.

A pulsatile osseous tumor situated on heads of bone or soft bones.

Treatment — May tie arteries supplying it but amputation is necessary if this fails.

Mutter Exostose

Simple bony Tumor. Divided into external & internal &c. The former is formed between the periosteum & bone cellular tissue interposed. the other is in the substance of the bone growing into the bone from the periosteum inwards. an other variety grows from the substance of the bone outward being both internal & external. The cause is a degree of inflammation.

Hydated Tumor. One cyst, throwing around it bone - no inflammation precedes it

Spina ventosa - A number of cells surrounded by bone

Serous encysted tumor beginning as ostitis - often met with an

Matter

Diseases of bones

situated about the head of long bones, in the antrum as a consequence of carious teeth. It is formed by fluid deposited in bone which has been softened by purious inflammation, or rather osseous matter is thrown around the serum or fluid.

Treatment — You open the tumor & let out the fluid, if not large compression will relieve it, if very large you may have to amputate the limb.

Osteo Sarcoma

Osteo Sarcoma is the first stage of Medullary Sarcoma. Fungus Haematodes is the third stage of the same disease.

It usually occurs in the young.

Mutter Osteo Sarcoma

If you have a small tumor with gnawing, lancinating pain, rapid growth hard or irregularly hard surface you have the first stage of Medullary Sarcoma — You have cells with horny walls filled with fluid — Second Stage you have no bone at all it being macerated or absorped. This is followed by Purpura —

Treatment — Must take away the diseased parts early or you can do nothing with the disease.

Wound of Bone.

Def. — Solution of continuity with condensation & contusion of fibre produced by action of cutting instrument. A characteristic of this injury is that the wound will

Mutter Wound of Bone

not close owing to condensation of the fibre & consequent contusion causing great liability to inflammation both of the bone & injured soft parts. Union will take place by a clot of blood organized & ossified. You must not remove the clot in the wound in thick bone. In flat bone you have union membranous not going on to ossification as a general thing but may have it & then are apt to have compression of the brain in wounds of the cranium or compression & some other important organ. If you scrape away the clot in cut through the scull use no harsh means to remove it.

Mutter Fracture

Fracture of Bone

Def. Simple solution of continuity. Differing from wound of bone by having no condensation of fibre or contusion & consequent inflammation.

Causes – Muscular contraction, as in fracture of Patella, forces directly applied, forces indirectly applied which is by countershoke.

Divisions – Transverse, Oblique longitudinal or parallel, Fissure a mere crack as across the scull, Stellated as from a bullet headed cane or slung shot, depressed, double depressed & Comminuted.

Displacements – In length in diameter, in circumference one fragment rotating upon the other.

Matter Fracture

Angular, as when both bones of the leg are broken & you put the limb not in a straight line you will have this from contraction of the muscles - impacted which occurs in tibia & which is caused by the force applied to produce the fracture secondarily.

The causes of displacement are numerous, weight of the body may cause it weight of the limb, inattention of the surgeon to its position after dressing, muscular contraction. Symptoms. pain, numbness, loss of voluntary motion except in impacted fracture, or when one bone only is fractured in arm or leg &c, you have a change in the form of the limb -

Fracture

Fracture

Symptoms continued – preternatural mobility except in impacted, change in the length of limb – most important of all is crepitation, but may have this without a fracture but not commonly. In luxation the limb is rigid have irregularity about the joint as unnatural depressions & elevations.

Bent bone occurs in children of from 2 to 6 years of age. Partial fracture in children somewhat older & may have it also in small ch. In the former you have no crepitus in the latter you have in bringing the ends together. In obscure cases whether you have fracture near a joint or only sprain treat as fracture

Mutter

to avoid mistake & mischief never make the mistake of treating fracture as a sprain.

Prognosis. The size of the bone & muscles attached to it & the seat of the fracture modify the prognosis. If it is near a joint or large cavity it is unfavourable. The more oblique the fracture the more unfavourable. Age, health &c have much modifying influence. Pregnancy no influence. Season of the year owing to the patient being more comfortable in winter than in summer has much influence in prognosis.

Process of Reunion —

First you have effusion of blood for the first 12 or 14 hours

Mutter Reunion

Four days after the fracture you have the effused blood &c formed into plasma of the consistency of boiled white of Egg of pink colour a few days after this it is cartilaginous matter, a little later you have the puncta ossificat. a little later the ring & the pin the ring is not definitive but provisional calus which is all taken up but the pin continues to develope itself & permanently unites the fragments. If flat bones you have no provisional callus formed have the effused blood formed into membrane. Generally the bone is as strong after fracture is united as it was before, but if the fracture was through nutritious foramen

Fractures Reunion of
the upper fragment will al-
ways be thin & brittle
In fracture of the forearm the
provisional callus is not taken
up and after the third week
of the treatment upon must
make rotary motion or this
motion will be lost for ever
Treatment — In taking
a patient up immediately
after the accident of fract.
(you must not let him get up
himself) upon steady the limb
by taking hold of it. Upon as-
sistants raise him. ——
Extension & counter extension
is made in the line of
displacement not in line of
the limb or you will not succeed
in disengaging the fragments

Mutter Fractures

You have resistance to coaptation by contraction of the muscles in which case you may give Aether or Chloroform or Opium if you have them not if this fails separate the locked fragments by cutting the muscular fibers which bind them together, if this fails you saw off the end of the lower fragment & stretch on the limb in this case you will of course have shortening. —

Indications — First position in which limb should be placed, Second, Splints — For rollers use muslin which must be washed before you apply it —

Mutter Fracture

the roller ought to be in one piece without seams which will irritate. Bandage of Scultetus is very useful when the case will not admit of motion in dressing after first application of the roller or bandage but omit the centre strip. In addition to position keep the patient on low diet for a day or two to avoid inflammation but avoid also bleeding if possible. When spasm occurs must allay it by Aether Chloroform or some other Antispasmodic or Narcotic or where they are inadmissible bleed ad deliquium. & then set the fracture. You may bring

Mutter Fracture

the limb to its proper length if not by the first attempt you can on second or third day extending it by degrees. If blisters occur which they will sometimes open them with a needle. In compound fracture if pus form let it out but prevent influx of air. If the patient gets up too soon you must protect the limb by a cuirass splint or the starched bandage. Stiffness of joints after fracture you overcome by passive motion & friction but this you can all prevent by early motion of the joint.

In Complicated fractures as fracture & luxation both

Matter Fracture

occuring at the same time you protect the fracture with splint & bandage & then reduce the luxation afterwards you set the fracture properly taking care not to force joint out of place again by avoiding force applied to the joint.

You never employ the immovable or starched dressing as the first dressing but after callus has been formed, after the second week you may apply it very usefully. In compound fracture you try to close the external wound as soon as the bone has been set if you can do it. The best mode of dressing such a case is to take a

Matter Fracture

piece of lint dipped in blood & applied, let it dry, then place the limb in a fracture box or other apparatus & varnish the wound over with Collodion and over that apply a cloth dipped in cold water. When pus forms make a slit in the dressing & open the abscess. In thigh fractures the bran dressing is the best you will have to remove the bran often in hot weather which you do by scooping out part of it at a time & depositing new bran in its place little by little & so go on until the old bran has all been exchanged for new. The limb is thus kept undisturbed, unmoved.

Mutter Tincture

Irregular Callus, producing deformity either the fault of the Surgeon or the patient. Recent cases of not over 30 to 60 days duration you can relieve it easy enough. Where the function of the limb is not destroyed or much interfered with let the case alone. Resection of bone, if the bone is large as the Os. Femoris the prognosis is unfavourable. If the constitution is not healthy you must improve it before you apply your measures for relief. In hot weather you ought not undertake an Operation, nor where the bone is unhealthy. Well regulated compression in

Mutter Fracture

cases of ~~recent deformity~~ ~~&~~ soft callus as placing the limb in the trough of sheet iron with clamps & screws - will straiten it. Adhesions between radius & ulna if of not longer than 6 months standing you can breake up the intermediate callus by forcible pronation & supination. If it is of several months standing breake the bones again, across your knee or back of a chair, padded. In old cases resection is necessary. In angular deformity you saw out a triangular plug. Overlaping deformity you take off the overlaping end, also freshen the end of the end of the other fragment, then

treat as a compound fracture
In exuberant callus or callus
spreading out in spiculae &c you
lay the part bare & nip of the
processes.

False joint

You have different varieties
of false joint, namely, that which
is owing to union by soft cal-
lus, union by cartilage, liga-
mentous union as in fracture of
the patella, union by cellular
tissue occuring in old people,
perfect ball & socket joint where
bones are tipped with cartilage &
capsular ligament thrown around
The nature of the union may
be known by the symptoms &c
peculiar to each - The feel the

Matter False Joints

motion the more surely have you the Cellular tissue union. Ligamentous you have in small bones connected with joints. in this you have not much motion. Cartillagenous, this variety occurs in long & large bones, you have a good deal of motion by strong efforts. Ball & socked, the limb is enlarged.

Treatment – In all varieties you want to excite new action in the part to cause effusion of plasma. A long time is necessary to cure these cases. In recent cases perfect rest will generally answer, in older cases take the fragments & by forcible action rub the ends together by which you break up the blood vessles &c in the part.

Mutter False Joint

Sometimes you succeed by an operation which presses the ends of bones together. These measures should all be tried in every case before you resort to other means. When they fail you introduce a seaton, for this you use strong tape which you can introduce in soft union - ball & socket variety cannot introduce this must give the seton a fair trial, continue it for a long time.

In ball & socket you cut down expose the ends & excite inflammation & treat afterwards as compound fracture. In ligamentous cut the tendon of muscle (the Quatriceps) & then you can bring the fragments together.

Mutter Fractures

Fracture of bones of Nose.

Cause - Force directly applied -
Diagnosis is easy by an early
examination, you will find by
lateral pressure with your thumb
& finger displacement, crepitus,
bleeding of the nose, pain &c.
May have compression & concus-
sion of the brain. When emphy-
sema is present you have compound
fracture, the Schneiderian mem-
brane is ruptured & air is intro-
duced. You may have dislocation
of the cartilaginous septum of
the nose also
Treatment is very simple, plug-
ging the nostril until bleeding
is arrested. Elevate the fragments
with a bougie or quill & mould the
nose properly. Cold applications afterwards

Fractures

Fracture of the nose — In cases of Emphysema you relieve the swelling by puncture & gentle pressure, in these cases the head will swell up enormously.

Fracture of Malar bone.

Displacement produced by the contraction of the Masseter muscle. You push up the bone apply a compress under it, apply a bandage to keep it there. The patient must live on soup whether displacement is present or not.

Fracture of Superior Maxillary

Push up the fragment, keep the upper & lower jaws together by bandage if teeth are wanting put pieces of cork in their places must have the dentures arches perfect —

Mutter Fracture

Fracture of Inferior Maxilary

Multiple fractures are very difficult to treat from the contractions of muscles. In all cases of fracture of the lower jaw except its processes upon here irregularity in the dental row. Upon treatment in simple fracture of the body of the skin or cap & the double sling bandage. In Multiple fracture upon must have the skin long. Fracture of the Coronoid process upon have no irregularity before the case when patient opens his mouth together with crepitus &c. Upon apply Cillindrical Compress behind the lower fragment and the double sling bandage

Mutter Fracture

In multiple fracture of the lower jaw where the dental row is much disarranged you bring the teeth into line with loops of silk. In compound fractures with haemorrhage apply a plug of lint to arrest the haemorrhage.

Displacement of the vomer &c in fractures of the nose wrap your forceps with tape &c & bring the fragments into place.

Fracture of Os Hyoides.

Symptoms. Sense of choking difficulty of swallowing &c. pass your finger into the Glottis and pull upon root of the tongue. Where you cannot reduce the fracture this way insert tenaculum & draw the bone out

Mutter Fracture Os Hyoid
and off the tube with which it
interferes & endangers the patients
life. Effusion is apt to take place
from which there is danger of choking

Thyroid Cartilage When
ossified may be fractured. You
moddle the fragments as in
fracture of Os Hyoid. & treat
antiphlogistically. Where stran
gulation is impending you
open the wind pipe before you
reduce the fracture.

Fracture of Sternum —
Overlapping fracture the most
common you set it by
pressing upon the overlaping
fragment. When the displace
ment is downward apply Ser al
ulum on both sides at a sufficient
distance from the intercostal

arteries make extension & counter extension. Afterwards broad bandage & treat antiphlogistically. You may have to cut down & elevate in some cases as in fracture of the skull. Longitudinal fracture is known by crepitus if you make pressure by finger — towel bandage & antiphlogistics &c. is your treatment.

Fracture of Ribs

Symptoms — Acute pain on inspiration &c in all cases & crepitus Cough &c. May have Emphysema & Empyema, may have dangerous complications of various kinds if a patient spits blood lung is wounded.

Treatment — Simple cases bind

Matter Fracture of Bl
Opium at night, Broad bandage
rest. Other cases must be treat
ed as the case may require.
Same as fracture of Sternum
Where you have internal haem
orrhage treat as gunshot wound
or other cases of internal haem.
Emphysema puncture the skin
press out the air & apply your
bandage. Laceration of the
intercostal artery after internal
haemorrhage has been arrested
may compress the artery by
pushing your handkerchief into
the cavity of the chest forming
a pouch then fill the pouch
with cotton & by pulling the cloth
you compress the artery effectually
keep this compress on three days then
remove the cotton with forceps &c.

Mutter Fracture

Fracture of the Clavicle

If force is directly applied the nerves & arteries are usually compressed & injured, upon have numbness &c of the arm. Suppuration may occur but not necessarily if properly treated. If the distal portion of the bone remains stationary the external is dragged down by the weight of the arm. Upon may have displacement downwards, inwards or forwards. In further fracture examination with your fingers will inform upon of the nature of the injury

Treatment — Apply Velpeau dressing or Mayer's both are modifications of Desault's —

Mutter Fractures

Fracture of Acromion

This process will be dragged down by the deltoid or at least by the portion of the muscle attached to the acromion.

Symptoms – A tumor & a depression, lengthening of the arm.

Prognosis is unfavorable, you are apt to have inflammation of the joint, and ligamentous union as you cannot bring the bones together.

Treatment – A pad between the elbow & thorax instead of in the axilla, push up the fragment & keep it up with a broad adhesive strap, and otherwise the same bandages &c as for fracture of clavicle.

Fracture of the Inferior Angle of the Scapula – displacement not a necessary consequence.
Treatment – Wide bandage across the thorax when there is no displacement – This is also the dressing for fracture of the body of the Scapula. When there is displacement in either you push up the fragment & apply a compress in front & roller across the breast.

Fracture Coracoid Process –
Cause – Force directly applied, Contraction of pectoral, Coraco brachialis & short head of Biceps muscles.
Symptoms – preternatural prominence of inferior part of the axilla ~~etc~~ crepitus not present

Mueller Fracture

Treatment of fracture Coracoid process — Compress under the shoulder which you apply as the patient grasps the opposite side & apply bandage.

Fracture Spine of Scapula

Fracture close to dorsum, In simple you have no displacement — Answer by passing your finger along the spine of the bone. Then apply the roller across the breast to keep the scapula pressed to the ribs.

Fracture Surgical Scapula

By force directly applied Symptoms — Flattening of the shoulder, lengthening of the arm tumor in the axilla. prominence of the acromion.

the symptoms are much like those of luxation of Shoulder you distinguish by being able to adjust the fragment to its place with great ease, reduction of luxation being more difficult, you have also crepitus. Treatment — Short sling to keep the arm up, Adhesive strap to keep fragments adjusted, pad under the arm not in the axilla but a little lower down.

Fracture Head Humerus

By force directly applied. If it is much crushed you have pain increased by motion, loss of motion of the limb, Diagnosis is difficult must treat all injuries of the shoulder

Mutter Fracture

as fracture of the head of the H.
if you are not sure of the nature
of the injury. Which is rest, &
as you have spongy bone & are
apt to have inflammation use
antiphlogistics.

Impacted fracture of the head of
Humerus. You have the Shoul-
der fuller, arm shorter, no crep-
itus. Prognosis is unfavourable
must not attempt disengagement
of the fragments.

Comminuted fracture of the
head of Humerus. Prognosis
unfavourable, you will have in-
terstitial ~~absorption~~ deposits &
impaired motion afterwards
passive motion will however
prevent it very generally.

Mutter

Fracture

Compound fracture of the head of the Humerus. If entirely in fragments open take away the pieces & apply curved splint. Never amputate if Constitution of patient is good, you will have ligamentous Union.

In all these cases you want a sling to hold the arm. Cross bandage to hold the arm to the chest & cap for the shoulder of paste board. About the 10th day make passive motion or you will have stiff joint. Must be attended to every day. Open the External wound, if pus forms open let it out.

Fracture of Anatomical neck same pretty much in symptoms & treatment

Mueller

Fracture

Fracture Surgical neck Humerus

Force directly applied or by muscular contraction. Lower fragment is carried inward. The symptoms are the same as in luxation except you have crepitation when the fragments are brought in apposition. You apply angular splint padded at the upper extremity for the lower surface, pad sufficient to keep the fragment out, and when the internal condyle rests the splint must be padded also. You want three other splints. Keep this on for five weeks. At the end of 10 days you must make passive motion of the joint.

Mueller Fracture

Fracture of Humor below Surgical neck between the neck & the insertion of the deltoid. Here you must invert your pad, instead of the butt upward you have it down, Otherwise dress same as the preceding case - Long Angular Splint &c.

Separation of Epiphases.

You have the arm slightly shortened, just below the Olecranon process you have a round tumor but a flattening between the two, no distinct crepitus but a creaking sound, this with the age of the boy - 10 y. will aid in diagnosis.

Treat as fracture of the neck of the Humerus as you would obscure injuries about Shoulder.

Mutter Fracture

Separation of greater tuber of Humerus.

Symptoms - greater breadth of shoulder, loss of voluntary motion, but motion by surgeon not interfered with, by passing your finger along the bone you will find the separation.

Fracture Humerus about the middle - Treatment the same as fracture of neck except the pad not of wedge shape. After three or four weeks may substitute curved splint, it is more comfortable.

Fracture just above Condyle.

Symptoms - Forearm shortened tumor just behind joint, same as you have in luxation of both bones of the forearm, except when

you make extention & Counter extention & pressure upon. Cause disappearance of deformity in fracture, have also Crepitus, whereas in Luxation you have neither.

Treatment — Two Angular Splints ~~the Splint in front, short~~, long side of splints to forearm. About the third week begin passive motion. Your rectangular splints must be made with a joint so that the angle may be changed at pleasure. Also apply short splint in front of arm & another on the back.

Fracture of Condyles

Force directly applied, May have one or both fractured if both you have

Clavicle — Fractures

the clavicle forced between the two condyles which you can disengage by strong extension + counter tension.

Treatment — first collar, two angular splints, keep hand from after the first week passive motion, but lateral pressure must be continuous, 6 weeks are necessary to get well.

Fracture Forearm.

Radius is most generally the bone broken. In all cases where both bones are fractured the diagnosis is easy. When one only is fractured you will find the seat of the injury by pressing upon the spot + rotating motion while you hold the upper end of the forearm firm

Mutter Fracture

Treatment - Two splints padded so as to compress interosseous space, interpose pad between the knuckles & other projections & the splint the splints should be long so as project ~~beyond~~ at both ends. about the second week must make rotatory motions or you will have this motion destroyed, also passive motions of joints.

Fracture of Radius

This is very common from the connection of the bone with the hand. Fracture of Head - you have pain in the joint, immobility, swelling, crepitation on rotating the lower fragment. After some days standing it is hard to distinguish from sprain. Treat all obscure injuries as fracture - Angular splint, passive motion

Fracture neck of Radius

Symptoms - Irregular swelling at upper part of the radius, Crepitation when you bring the fragments together

Treatment - Two padded splints arm is not to be put across the chest by a sling.

Fracture of Shaft of Radius

Treatment same as that for fracture of both bones.

Barlows fracture

Splitting of the head of the Radius produced by a stroke upon the heel or back of the hand in an oblique direction. You will have the Capital now drawn between the two fragments.

Treatment - Disengage the capital now by extension & Counteropposition

Mueller Fracture

and pressure. Make natural motion of the joint before you apply the splints - Apply Compresses in the natural depressions first the one above filling the depression & then the under one the compress for this to be a little forward of the other over them you apply your splints.

Fracture Olecranon

Caused by a fall on the elbow or contraction of the biceps mus. You have the displacement very great except fracture is not complete or is longitudinal. You have no rupture of the capsular ligament. Complete fracture you have symptoms above, loss of motion, pain &c. You will have fibro Cartilaginous union,

Matter Fracture

The joint will always be weak afterwards as there will not be sufficient nutrition for ossific union, you have excessive secretion of sinovia separating the fragments & washing away the effused blood, no cellular tissue being present to hold it & the contraction of the muscles cannot be overcome by any operatus.

Treatment - Extend the limb apply roller from the hand up to the articulation then take hold of the upper fragment & bring it down the wrinkling of the skin consequent upon pulling down fragment must be removed by assistant pulling skin up, then secure the fragment with the roller which you then carry up the arc to paralyse

the triceps. then fill up the front part of the joint with cotton wadding & apply splint, at first you you carry the arm obliquely across the chest after a few days may let it hang down. At the end of the second week take off the straight splint & apply one with a joint to enable you to make passive motion but you must not bring limb to flexion at once, do it gradually from day to day until you get it completely flexed.

Fracture Coronoid process

You have a tumor above the joint, depression over the joint, by contraction of the Brachialis int.

Treatment - Acute angular splint, flex the arm so as to bring the hand

to the shoulder otherwise the treat is the same as for the foregoing. Your splint must have a complete joint so that you can make passive motion at the proper time without removing the splint.

Fracture Carpal bones

Symptoms – Crepitus & the appearance of the parts will inform you of the nature of the injury. Apply strait splint. this is all that is necessary after you have moddled the parts.

Compound Fracture Carpal bones

Treatment – Carved splint & the irrigating process for a week to prevent inflammation after that warm or cold water dressing passive motion at proper time. Must pick away spiculae of bones before you dress.

Mueller Fracture

Fracture Metacarpal bones.

Displacement backwards apply
compress upon back of the hand
& splint under the hand.
Displacement forward apply ball
of cotton in hollow of hand &c.

Fracture of Fingers

Dress with Sticking plaster=
bandage both for first & second
joints. two splints.

Fracture of thumb

Apply your splint on the back
of the thumb.

Fracture Thigh bone

(Within the capsular ligaments)
Occurs in old people particularly
females because the angle ~~of the~~
neck is more acute. A very
slight cause is sufficient to produce it

Mueller Fracture

You have shortening except in impacted fracture. This fracture in old persons say 70 y. of age where no ossific union can be expected all you have to do is to make patient comfortable. Bed made as in all such cases. Apply double inclined plane for two weeks. Then get the patient by degrees to sit upon the edge of the bed. At the end of about 7 weeks get him on crutches & high heeled boot.

In younger persons you treat the case as you do fracture of the shaft as you may have ossific union.

Fracture Thigh – upper third. You treat as fracture above entire except addition of band across the

upper part of the thigh to overcome contraction of the Illiacus and psoas magnus muscles.

Fracture Thigh - about the centre

May be produced by force directly applied or by muscular contraction. You have shortening by the lower fragment being drawn up & inwardly by adductor & hamstrings.

Prognosis - Rather unfavourable.

Treatment. In the first place must attend to the bed on which the patient is to ~~[illegible]~~. ~~and~~ must have a bearer - a simple frame with sheet stretched over it, on which patient immediately lays or have Van Wicks bed stead

Position - Inclined plane objectionable because pelvis is movable & extension

Matter Fracture

Fracture Thigh

cannot be made regular nor can you make accurate admeasurement and you are apt to have anchylosis from long continued fixed position. All these are serious objections to the use of the inclined plane as a first dressing but after the sixth week you may use it to advantage.

Your best dressing is Desault's operatus modified by Physic and Hutchison. You may want short splints also in front & back of thigh to prevent tilting of the fragments. You want Dr Coates extending band which is made by stitching buckskin on muslin strap - If excoriation takes place from this must use the gaiter also lined with buckskin,

Mutter Fracture Thigh

If this also excoriates use straps of sticking plaster laid along the leg & brought into a loop at the sole of the foot, until excoriation is relieved. You want Counter extending band round & soft. transverse band common handkerchief, straps, splint cloth, which is to be two yds long & one yd wide in which the splints are rolled & brought together in shape of a trough. All these articles must be procured first. You then lay patient down upon the operators - first apply the extending band & Counter extending band & transverse band which is put across the pelvis to fix long splint. Make extension & Counter extension until you have limb as long as you can get it at the first dressing

then tie the extending band to block of Hutchison, the perineal or counterextending band through holes in the long splint. Splints having been brought against the limb the straps are tied to keep the splints adjusted, to keep up lateral compression. Slip the short splints under the straps. Must get the limb to its proper length if not at the first dressing at the second or third. Protect the heel from excoriating by adhesive straps or a cushion with hole in the centre. After fourth week must make passive motion in every joint. Protect limb against bed clothes with proper apparatus made with hoops &c.

Fracture

Fracture

After the sixth week may change the position of the limb by putting it on an inclined plane or on a starched bandage. Diet your patient, no bleeding if you can avoid it, no purging.

Fracture of the leg both bones

Treatment — Fracture box, the foot piece high enough to protect the limb against the weight of the bed cloths, the base of the box long enough to extend beyond the knee joint. You put a pillow in the box over which you lay oil cloth. Strips of bandages to bring the side splints of the box together to produce lateral compression. Apply extending band & pad of cotton to the sole of the foot to protect it against the

Mutter Fracture

there will be extension kept up by the hand. May take this apparatus off at the end of the 1st week & substitute the starched bandage which must be continued for six weeks. In Oblique fractures where the box may not answer the purpose you apply the dressing for fracture of the thigh.

Compound Fracture Leg.

Extension & Counterpulsion in the line of displacement when bones protrude &c. if you cannot disengage them saw them off. Afterwards put it in fracture box with the bran dressing. watch the case, if pus forms lance it out by incision.

Matter Disease of Joints

most liable to disease those joints which are most exposed - those covered only with Cellular and fibrous tissue.

Synovitis

The most common cause is Rheumatism. You have absorption of the head of bones. Gout is also a common cause but instead of absorption you have deposits of Carb. Lime. Gonnorhea is also a common constitutional cause. You are very apt to have this when the discharge is suddenly arrested. Parturition also a cause. Metastasis must be treated by bringing back the discharge (the irritation in the part) from which the translation took place.

Mutter Synovitis

You have acute pain redness following, heat & swelling. You may have displacement of bone & cartilage about the joint

Prognosis is unfavourable, if the cause is constitutional it is more favourable.

Treatment - Remove the cause except where you have a needle or other foreign body of the hand run into the joint where you would have to cut too much.

Most important indication is keep the part at rest but it into a carved splint, leech the part, give Colchicum which you can get good at Shepherds 9th St. upon which you can rely - general antiphlogistic course.

Matter. Synovitis
As the inflammation becomes
chronic apply counter irritants,
prevent anchylosis.
The results may be – anchy-
losis, hydrops articuli, in the
latter case apply compression,
rest, give Nothings infusion
& Digitalis. Tapping every few
days to blister when you can
not tap which is most effect-
ual. In Chronic cases you
might open the sack by tapping
& inject Iodine but it is too
dangerous a practice.
Another result of inflam-
mation of a joint is Abscess
It is known by the general symp-
toms of Abscess. Dont open it
apply compression, rest, Iodine. Cont-
ue. If compression increases the pain

Matter Disease of Joint

quit it & puncture the abscess when it points. afterwards apply proper treatment. Another Result of inflammation of joint is relaxation & distention of ligaments which is produced by the liquid in the joint — if it is owing to recent inflammation you will cure it — Apply the stirrup bandage to the foot and fasten it to the hip keeping by this application the bones proximated. In Congenital cases when you put the patient on his feet his legs will double up. no pain. Apply artificial lateral ligaments by a knee cap and your patient will get along very well but cannot be cured.

Butter Disease of Joints

The cases which are owing to ~~recent~~ inflammation - not congenital - will be cured by the above treatment - the following is the mode of applying the dressing - tie handkerchiefs above & below the knee joint and strips from one to the other & tie them together, imitating lateral ligaments. Rest is important in treatment.

Loose Cartilage in joints

Most common in ginglimous joints - These bodies are generally attached by a pedicle, so soon as the pedicle is broken you can make out the diagnosis not before. It is probably formed by synovial inflam a deposite of lymph following which is organized into cartilage. If smooth the body is easily removed. -

Mutter Loose Cartilage

The symptoms of loose cartilage in a joint are, sudden arrest of motions of the joint accompanied by severe pain, like a sprain. By working the joint you can bring it to one side & can feel it. Treatment - Compression getting the cartilage out of the joint if you can slip it out & applying laced knee cap or tight roller this is the best treatment, but an operation may be necessary. If the patient is incapacitated by the cartilage & can not relieve him by the above treatment you remove it by an incision after you have brought it to one side. Subcutanious operation made by incision through the

Matter Disease of Joints

Skin high above the joint & dis-
secting down to the Capsule, slip
the body along the canal you have
made, be care-ful you let no
air into the joint. the joint
must be kept at rest. Danger
of this operation is dangerous.

Neuralgia of Joints

Met with in formal boarding
schools. You have intermittent
pain in the joint. no swelling
nor heat. pain is increased by
a slight touch as much so as
if you shock the limb. Your
patient is pale. Digestive aper-
atus is impaired.

Treatment — Give nutritious diet
a little brandy at dinner. Iron &c.
at first blue pill. Shower bath the
best local application

Mutter Diseases of Joints

Malignant Tumors about the joint. You must amputate above the articulation, early.

Wounds of Joints

Prognosis unfavorable when the joint is opened especially if lacerated.

Treatment — Where the wound does not penetrate into the joint close it with stitches, Cold wet dressing, rest. Lacerated wound if the knee cap is shot off, make a flap from the side of the joint from both sides and stitch the two flaps together. Foreign bodies must be removed if it can be done without difficulty.

Sprains

You may have laceration of ligaments or not in Sprain.

Symptoms – Fainting is almost a characteristic symptom. Surgeon can make the natural motions of the joint but patient cannot. Swelling is uniform & fluctuation fluctuation from beginning. Swelling coming on gradually. In fracture the swelling is irregular after the swelling has gone on for sometime you cannot distinguish Sprain from other injuries, but in all these cases you treat as fracture.

Treatment. Cold evaporating lotions or warm fomentations of cols increases the pain. Give anodyne to relieve nervous irritation of the patient & the pain elevate the limb. this will suffice in simple cases

Mutter Sprains

In bad cases you must leech the part & use active antiphlogistics for a few days, afterwards apply a roller dipped in lead water to act as compression &c. After sometime later counter irritation to relieve stiffness if it comes on hot douche the best with passive motion & friction.

Luxation

Cause — predisposing cause — preternatural length of ligaments about the joint, paralysis of muscles about the joint. Disease of the joint producing spontaneous luxation, laxity of the ligamentous system is the most common. Age has much influence in directing nature of injuries

Matter — Luxations

Immediate Cause — Force applied to the joint.

Consecutive luxations must be first reduced to the primary before you can reduce the head of the bone.

After the third week you ought not attempt generally not attempt reduction as you lacerate the adhesions formed.

Prognosis — Depends upon the joint involved, extent & direction of the displacement &c., length of time displacement has lasted also modifies it. Changes in parts you must not attempt reduction in cases where adhesions & absorption are extensive, this you have in strong healthy patients, not so in relaxed constitutions.

Mutter Luxations

Reduce the luxation immediately when patient is faint - this condition will aid you - But where he has received nervous shock as where an artery is wounded you must attend to that in the first place.

Your forces extension & counter extention must be regular and equal and made in the line of displacement.

Dislocation of Hip -

Your extention is to be made from the leg - adhesions existing & resisting the reduction must be broken up by rotation &c. - ligaments holding head of the bone in displacement must be cut - You must disengage the head of the bone from any obstructions which may resist reduction. As

the lip of the acetabulum, &c.

In some dislocations you will expect ligamentous union as in all luxations of Clavicle when you will have a weak joint ever after & have some deformity generally.

Luxation Thigh - up & backwards upon the dorsum Ilii. You want Perineal band on sound side, transverse band, both in the hands of assistants, pully adjusted & assistant at that. the extending band to be a jack towel applied with wet roller, to this pully is adjusted. Your assistants being ready you take hold of the thigh & make the rolling movements until you find the head coming to the lip of acetabulum

Matter Luxations

When you tell the man at the pulley to let go and you bring the limb out. Place patient on his back.

Head of thigh bone Forwards on as Pubis. The same bands for Counter extention & pullies as for the above.

Head of bone into Foramen Ovale You make no Extension - you require a fulcrum also a transverse band to fix the pelvis. Loop of towel for fulcrum - assistant pulls upon the loop & you bring the limb across the other thigh - keep heel nigh to the bed as possible or you will have the head lodged in the Ischiatic notch This if it happens is reduced by first turn patient on his side

then apply your bands &c Counter extending, lifting & band to fix the pelvis, pullies Counterextending band on the sound side again you take hold of the lifting band & lift the head of the bone out of the notch & let it slip into the acetabulum by contraction of the muscles, the man at the pullies ~~suddenly lifts go~~ relinquishing his extension as you lift the head out.

Luxation of Patella - (Lateral) on either side - Flex the thigh on the pelvis & leg on thigh to quadriceps Fem. M. then with your thumb you press the patella over, afterwards you pull the patella down & apply bandage as in fracture of this bone to get the tendon united short as possible

Lux. Patella - Downward -

Treatment the same as foregoing.

Lux. Patel. on its axis -

Treatment - Relax Quadriceps M. then press with the head of a key (which must be well wrapped with strips of muslin or cloth) on the lower edge and with your thumb on the opposite side & upper edge - If this fails you must divide the tendon.

Lux. Knee Joint

Treatment - Always make extension in the line of displacement until you have the bones separated then change the direction of your forces of Extn. & Counter Extension afterwards put the limb in splint to guard against inflammation.

You may have partial luxation inside up., down, & Lat. Lux.

Lux. Cartilage Knee joint. –

Here you have internal derangement of the joint, No External peculiarities. Treatment – Sit patient on a table, let the limb dangle, then flex it & by a little tact you bring the Cartilages in place.

Luxation Fibula.

You have the head of the bone thrown to the side of its facet. You have unnatural protuberances & depressions where neither should exist – Treatment – Flex thigh bring head of the bone in place, then apply bandage from foot up to pelvis.

Luxation Ankle joint.

Inwards or Outward – Flex leg upon thigh, Exten. & Counter Exten. Lateral pressure then put in Carved splint to avoid inflammation.

Lux. ankle joint – upward & downward – Extension & Counter Extension in the line of displacement & pressure.

All other luxations of the foot are treated by Extension & Counterextension & pressure. if these fail you must take out the displaced bone.

Wounds of the Abdomen.

Superficial wounds, not penetrating the peritoneum – you want sutures which must not be put through the muscles or you will have all symptoms of strangulated hernia. Over your sutures apply straps of sticking plaster instead of a roller – prevent inflammation, never use improper

Mutter Wounds Abdomen

you must bleed &c instead of them. If suppuration takes place which is common you must open early to prevent peritonitis becoming involved.

Lacerated Superficial Wounds of the Abdomen as from a Splint, after the dressing apply warm poultice unless patient is a strong healthy man.

Contused Wounds of Abdomen will be apt to be followed by wasting of muscles which are involved & you will have ventral Hernia

Penetrating Wounds of Abdomen

Simple wounds you close externally, prevent inflammation by Antiphlogistics, avoid purging. First of all that may be necessary

You arrest internal haemorrhage by position, bleeding, Digitalis &c prevent action of the bowels by the use of Opium from the beginning (after haemorrhage has ceased) —

Penetrating Wound with Protrusion — Wash the protruded Omentum with warm water before you put it back, let it protrude into the life of wound, close the skin over it.

If the Omentum is wounded and bleeds you tie the bleeding arteries & cut off the ends of ligatures.

If you have Mortification of Omentum you must not cut it off nor put it back until the diseased part sloughs off, then put back but must put a stitch through it & the skin to prevent it retracting.

Matter Penetrating W. Abdomen
Protruding intestine put back by returning that portion first which has escaped last. If both Omentum & intestine protrude put back the intestine first. Intestine looking black you may have only venous congestion which you distinguish from mortification by pressing it when it will change colour but will again same colour immediately after your finger is off — this you put back — if it is mortified leave it hang out & form artificial anus.

Intestine wounded, you stitch it up but your stitches must not go through the coats of the bowel Intestine Entirely divided you make artificial anus by attaching the bowel to the skin.

Matter. Wounds Abdom
Never put back a bleeding, a
dry or a mortified viscus -
Never grope for a wounded
intestine &c.

Wounds of Stomach

Produced by a blow upon the
stomach when filled. You will
have vomiting of contents of Stom
ach & blood. Excessive agony,
rapid destention of Abdomen,
great prostration.

In Concussion of the Solar
plexus you have none of these
symptoms except the extreme
prostration. In an open
wound you have an escape of the
contents of Stom. also prostration
In the first case - Laceration of
of any extent Prognosis very grave
can only palliate Symptoms - must die

Dr. Mutter Wounds of Stomach

The Open wound is not so unfavourable but is very dangerous also. You must stop the Haemorrhage by tieing the vessles which bleed, dilate the External wound & bring the edges of the wound in the Stom. together by stitches through the Muscular Coat only by over stitches or continued suture. Attend to all ~~extraneous~~ symptoms that may turn up - inflammatory require bleeding (copious) Give no drink, patient may have ice in his mouth. He must be nourished by injections & baths of soup. &c. If the wound in the stomach is from a stab it is not easily to be found - trust to nature & keep down inflam.

Dr. Mutter Wound Intestine

Wound by a blow producing laceration of the intestine — You have great agony, distention of Abdomen, great prostration & evacuations mixed with blood

Treatment — Keep bowels at rest, keep down inflammation give large Opiate injections or inhalation of Chloroforme to produce rest of the bowels — The patient may recover but generally dies.

Puncture as from a dagger &c — Your principle symptoms are an escape of sulphuretted Hydrogen from the external opening & subsequently bloody stools together with the foregoing symptoms of wounded bowel.

Dr Mutter Punctured W. Bowel

Treatment – If faces escape from the wound put the patient in such a position that they may escape readily from the wound – give large dose Opium. Fomentations to the wound. Nourish the patient with jelly twenty or 30 drops at a time – May give Chloroform instead of Opium. Never dilate the Opening unless the wound is large. If the puncture in the bowel is small let it alone it will unite of itself. In wounds of more than four lines in extent pucker up the wound & apply ligature & cut off its ends leaving the knot behind. If you have a cut introduce a thread along the edge

Matter Wounds Bowels

of the wound on both sides of the cut, through the muscular coat only, encircling the wound, you then take a probe & invert the edges of the wound and tighten your ligature. Keep down inflammation.

Intestine entirely Cut Through

Bring the wound to the walls of the abdomen to form an artificial anus. Or stitch the ends together through the muscular coat.

Wound of the Liver - From a blow. You have prostration from internal Haemorrhage which you cannot treat as as in wounds of less solid organs. You cannot bleed for its relief. Jaundice soon. Opium. Danger

Mutter Wounds of Head

Where you cannot protect the brain by natural scalp, as where a piece of Scull has been removed, you bring parts of the scalp on the sides **over** it by a kind of plastic operation. In these wounds you have protrusions generally - If the protrusion is of a purplish hue cut it off & apply pledget of lint dipped in cold lime water if it is Brain must not cut it off - apply the same to harden it.

Fracture of the Scull -

Temporal fossae, Base of Parietal bone, Orbital plate, are the parts generally fractured from their great liability, being weaker.

Nutter

Fracture Scull

Fracture of the base - You have haemorrhage from the ear also a discharge of serum, and you have symptoms of Compression of the brain coming on rapidly, or inflammation of the brain. The discharge from the ear is not positively indicative of fracture unless you have the other symptoms also. Emphysema of the scalp indicates fracture through the frontal sinus.

Depression - in young children, under ten years of age you have no fracture - you have the bone sunk without it being fractured by the force applied - May have symptoms of Compression.

Mutter — Injuries of Head

Treatment of depressed fracture — If you have depress compression you trephine where an external wound you do so whether compression is present or not

Fracture of the base you do not trephine — Your treatment consists of Mercury Cold & ante phlogistics — Salivate if you can. Fracture through the frontal sinus you have great swelling, Emphysema. You treat it antiphlogistically &c. but if you have also depression, both tables fractured you must trephine which you do with two trephines one for the outer table which must be larger than the one for the inner.

Mutter Injuries of Scull

Concussion of the Brain —

In these cases you have oscillation; separation; or laceration of membranes, from their attachments.

In the first you have vomiting & symptoms of stunning merely. Where you have separation vomiting is not present have contraction of the pupils, coma, symptoms of prostration. Where you have still greater prostration involuntary discharges of faeces, Convulsions & you have laceration.

Treatment — In the first bring about reaction by position &c afterwards watch patient & keep down inflammation

In the second, when you have separation of Membrane, you bring on reaction by internal & external stimulation, afterwards watch patient you will be apt to have inflammation.

In the third you stimulate with hot applications externally hot brandy & water internally and afterwards watch patient & keep down inflammation.

Depression of Bone of the Scull (without fracture in Children) You ward of inflammation by cold applications, purging, dieting, and bleeding if necessary. The elasticity of the bone will not admit of it remaining depressed long. Trephining is not practiced in these cases.

Mutter Injuries of the Head

Compression of the Brain

Symptoms — Stupor from which the patient cannot be aroused, slow labouring pulse, stertor in breathing, dilatation or contraction of pupil, paralysis of sphinctres, paralysis of other parts of the body.

Cause — Depressed fracture, Effused blood after an injury which will not be immediately after the injury has been received but hours & days afterwards. If it comes on 10 or 12 days after the injury with no symptoms of suppuration it is serum effused. If rigor &c preceed convulsions &c you have effusion of pus.

Wounds of the Scalp.

In wounds of the scalp where inflammation takes place there is danger of having the brain involved, causing effusion of Serum or Plasma and producing compression. ———

Lacerated wounds - the scalp torn in pieces - You wash out the dirt &c. & bring the shreds in place & keep them together with strips of adhesive plaster and apply cold water - no stitches.

Contused wounds are more dangerous than lacerated - Avoid if possible cutting through scalp, remove the hair & apply cold & if things do not get worse let the case alone with this - If inflammation goes on apply leeches

Mutter Injuries of Scalp
and other antiphlogistics - If these
measures fail & it is going on to
suppuration lay the wound open
early.

After receiving a blow on
the head and the patient in
two or three days afterwards becom
irritable, morose &c you have
an inflammation of the Dura
Mater or Membranes of Brain.
If you have a puffy or tender
spot on the Scalp your diagnosis
is yet more sure.

If convulsions take place which
will be the case after a little while
you trephine at once - Before that
you may succeed with antiphlogistics
shaving the head & applying Cold &c
Mercury.

Mutter Injuries abdom. viscera

Laceration of the Splen (from a blow)
Symptoms — prostration, cutting pain, the location of the pain will prove the seat of this injury.
It will prove fatal.

Wound of the Splen (from stab &c
Symptoms — You will have a full continuous stream of black blood from the wound. You have a protusion of the organ in an extensive wound.
Prognosis is more favourable than in the foregoing injury.
Treatment as in wound of the liver except use acetate of lead May have to give stimuli In the second case (protusion) you dilate the orifice bring the Splen to natural orifice fix it with a thread plug puncture with lint dipt in some styptic.

Wounded Large Artery

When a large artery is wounded you thrust your finger down & compress it and direct an assistant to cut down & ligate the artery — You cannot take your fingers off until this is done

In Contused wound of the Abdomen, as from a kick &c if you have bloody emesis there is laceration, Otherwise you have only concussion of the solar plexus — You must in the first place stimulate until reaction takes place then guard against inflammation by antiphlogistics, but if this take place you are apt to have suppuration (an Abscess) in this case you make a free opening as soon as pus is formed which is known by chill & throbbing.

Mueller Tumors Abdomen

If an abdominal tumor remains stationary is not Malignant nor Aneurismal, leave it alone.

Ovarien Tumor

If your patient is in good health let the tumor alone - If you have a fluctuating tumor, health impaired tap it, if this will not save the patient you may remove the tumor. Take out the tumor if prostration occurs. Whenever an operation is necessary make a large incision.

Gastrotomy.

This operation is not to be performed except to remove foreign bodies which can be felt through the walls of the stomach, and where a foreign

body interferes with the function of the alimentary canal as in invagination of the bowels and never in any case but when you can feel the lump - It is one of the most dangerous operations in surgery but is the only chance to save the patients life in some cases.

Effusions in the Abdominal Cavity of Blood. You dilate the wound & tie the bleeding artery. If you cannot do this close the external wound and let the blood coagulate - You will have peritonitis which you treat antiphlogistically - If suppuration take place the edges of the wound becoming patulous you have softening &c of the Coagula, suppuration &c

Matter — Injuries of Viscera

You let out this matter by opening the wound again. You must not close the wound where the Gall Bladder is wounded. When fluces escape from a wound you cannot close it

Urinary Effusion — from wounded bladder — You introduce the Catheter and leave it in the urethra, or open the perineum as in Lythotomy to let the urine escape.

Urinary Diseases.

Retention of urine —

Cause. — In old people it may be caused by paralysis which is the most common cause

Mettler Urinary Diseases

Retention of urine is also caused by irritation in the neck of the Bladder, by Spasm, Moral cause Enlargement of the Prostate Gland and other mechanical causes.

When it occurs in the female it is generally owing to Moral cause. It may be intermittent, gradual or Sudden

Symptoms — You have great pain, swelling &c You must not be deceived by the dribbling of urine which may be present.

If it occurs after an exposure to cold & the patient gets it often it is owing to Spasm. If it occurs in the young it is owing to Stricture, In old it is probably owing to enlargement of the Prostate

Matter Urinary Diseases

Prognosis — favourable unless it is owing to enlargement of the prostate, Chronic irritation &c these cases you can only palliate.

Treatment — If it is spasmodic Warm bath & Chloroform or Ether will relieve it. Opium in the rectum, bleeding, Catheter if necessary. If owing to Stricture you introduce the Catheter to the seat of the Stricture & pass the Dilators one after the other they being of different sizes, this way forming an opening sufficiently large to pass the Catheter — This you do in recent cases. In old cases you may have enlargement of the prostate which you can feel through the rectum. Or you may have disease of the neck of the bladder

Matter Urinary Diseases

Tapping the bladder is often necessary - You get the elastic catheter capped with the silver cap use it first without the wire, if unsuccessful use it with the wire, if you cannot succeed with the ordinary curve of the instrument try a greater curve. If you still fail tap the bladder, which you do by cutting through the perineum if necessary from the laceration of the perineum. If the prostate is at fault cut through at the pubis or the rectum - The former you introduce the canula trocar between the pubis & the peritoneum which you can do if the bladder is filled - Same instrument for rectum.

Dr. Mutter Urinary Diseases

Intermittent Retention of urine occurring at intervals of two or three days or so. You must give Quinine or some other article of the kind.

Where a man is exceedingly prone to retention it is owing to irritation about the neck of the bladder. You cure it by Caustic bougie.

When it is owing to paralysis electricity is the best remedy.

When it depends upon the state of the urine you cure it by changing the quality of the urine

When it depends upon Spasm give large quantity of Opium & let the patient rest.

Dr. Mutter Urinary Diseases

Incontinence of Urine

occurs in very young & very old. Sometimes it is the result of habit. Examine the urine if it is alkline or too strongly acid correct it. If it is owing to habit put a blister on the sacrum to make the patient sleep on his abdomen give also a dose of Opium in the evening, allow no drinks in the evening.

When it is owing to paralysis in the old you can do little or nothing for it.

Urinary Calculi

There are predisposing causes. The male is more predisposed than the female. The difference in the

Muller
urethra makes it worse for the male than the female.

The disease is not common in the negro. — It occurs in temperate climates not apt to occur in the extreme north or south. You therefore send your patient away from home if he is predisposed to calculi.

It is not common in the middle aged. Dyspeptics have deposits of uric acid and are apt to have stone from this cause. Chronic inflammation of the bladder causing deposits of Mucus may lay the foundation for stone. Any body in the bladder may serve as a nucleus for the formation of a stone. Paralysis of the B. preventing the urine passing off &c. &c.

Stone in the Kidney

Symptoms — Severe pain in the region of the kidney followed by fever, You have muddy turbit urine, in a few days the stone comes down into the ureter blocking up the passage & creating very severe pain and preventing further discharges of mucus, pus &c from that kidney the urine therefore becomes changed getting clear — this is the main point in distinguishing the disease — It is fatal.

Smaller Calculi, Sand, will cause great pain, prostration, retraction of the testes — this with the history will distinguish it from Cholic, Hernia &c

You relieve the patient by relaxing the urether, for which you use the hot bath, Bleeding, Opium, Turpentine Diuretics — the Opium & Turpentine together.

Stone in the Bladder.

Symptoms — First, frequent desire to make water, next muddy urine, Sense of some foreign body in the bladder, Sudden arrest of the stream in making water, Peculiar Sensation at the glans penis. But you cannot be certain of a stone being in the bladder until you discover it by sounding. You have also bloody urine after Exercise. You should not sound the bladder before preparing the patient

Matter Stone in the Bladder

by warm bath, purge, flaxseed tea with a little Nitre.

Your Sounds should have different curves, short & shorter - get a silver Catheter with a stop-cock by which you fill the bladder with some bland fluid, then by forcing the fluid out of the bladder the stone may roll against the instrument. Thus you may often detect a stone while other modes of examining will fail — You have a peculiar Metalic sound communicated to the ear when the stone strikes the instrument - Use different instruments change the patients position until you detect the stone. When the Metalic sound

is absent you may you may have a tumor instead of stone in the bladder.

Prognosis — In old ~~people~~ cases it is unfavorable — the lining membrane of the bladder being in a diseased state — thickened, contracted.

Treatment — Look to the urine test it with litmus paper, if it changes its colour to red it is acid, if blue it is alkaline — the two requiring very different treatment. You can relieve the symptoms by the use of acids or alkalies as the case may require You must relieve the symptoms of irritation of the organ by these means before you Operate. Small Calculi you can remove with broken instrument

first preparing the urethra, relaxing it by the use of warm bath, belladonna rubbed over the parts to dilate it. In all cases of lodgement of a calculus in the urethra when you cannot remove it with instruments adapted to the case, Cut through the urethra & take it away, then pass the catheter into the bladder & leave it there for a few days.

For Encrusted Stone You introduce the double canula and pass dilute nitric acid in one & let it pass out by the other - to act as solvent.

Operation of Lythotomy You want the staff, knife, forceps, tenaculum, Physics needle for Haemorrh., Syringe.

Mutter Stone in the Bladder

Lythotomy.

Dangers accompanying the Operation — They are inflammation, Abscess, Haemorhage, improper conduct of the patient, all these may cause the death of the patient. The Mortality is 1 in 8. You must always watch the patient after the operation on account of Haemorhage which may kill him although you should have no Haem. immediately after the operation.

Fistulas occuring after an operation lay open the perineum, - small fistulae cauterize.

If you wound the rectum close the wound immediately after you are through with the Operation. Stitch it.

Mutter Lytholomy

High Operation — Between the two pyramidal. Abdom. muscles cut down between the Pubis & the peritoneum which you push up out of the way.

You must put a sound in the bladder through the urethra with a stilet in it. After you have made the external incision you feel for the point of the sound & push the stilet through, then dilate the wound sufficiently. The High operation is only performed in enlargement of the prostate or when the stone is too large for the other operations — too large to go through the arch of the Pubes &c.

Mutter Lythotomy.

The Bilateral Operation - May be performed if you prefer it but the Lateral is just as good except when the stone is large it may have some advantage over the Lateral.

The Recto Vesical Operation This is performed with the curved trochar as for tapping the bladder in the usual manner - After you have passed the trochar you remove the stilet & pass the curved bistoury along the canula and cut down through the Prostate This Operation should not be practiced fistula will follow it.

Lipectecy - Operation of Lee - a new operation which Dr. Mutter thinks is not a good one & does not recommend it.

Mutter Lithontripsy.

This Operation is not to be performed when you have ~~bad~~ prostate, irritable urethra, stricture &c. But where you have a healthy person, sound urethra, stone not hard &c. bladder not diseased, it is the best Operation.

In female Children you dilate the urethra to remove stone by Lithotomy — After the age of ten years your patient must not be cut for stone Lithontripsy is your Operation here.

Haemorrhoids

Piles are divided into blind & open pile also into external and internal.

Cause — Disorder of the alimentary or digestive apparatus —

Matter — Haemorrhoids

The portal system, the liver at fault. the portal circulation is impeded. These things must be corrected before you can cure the piles.

Females, especially of the higher classes are most subject to piles.

Symptoms — The intellect is impaired irritable temper in cases of long standing. There is a sensation of fullness about the anus & large & the Sphincters internal & external relaxed. You should examine with the speculum in cases when the pile is not to be seen otherwise. So much for blind piles.

Open or Bleeding pile.

In the bleeding piles the constitution will give way much sooner than in the blind. This is a serious disease

and will kill your patient. Except where the individual has been subject to determination of blood to the brain or Haemorrhage from the lungs in these diatheses it is not to be interfered with.

Treatment - If the pile is strangulated you must return it. if it is inflamed you must relieve the inflammation - You must always relieve the patient before you leave him.

You have the hard fibrous. the Erectile (from irritation of the mucous membrane), the dilated vein. The rupture of vein & exudion of blood in cellular tissue - from varicitus - they require different treatment therefore adapt your remedies to the case -

Mutter — Hemorrhoids

Open the bowels, avoid straining. Patient should always go to stool in the evening and lay down after meals & be quiet. Get digestion in order. Cold injections. Give a pill of pitch 30 grs. or more or Balsam & Wards paste.

In bleeding piles use injections of Kreosote water, tannin & other astringents. If the patient bleeds bad do not tamper with the case.

Bloody tumor, of the appearance of a shot - you lance it - other cases you do not lance.

Protruding piles - You just palliate the symptoms by leeches fomentations &c. Then oil your finger & reduce them - press in the central

Mutter Haemorrhoidal tumor first - You do this after the inflammation has been reduced -

The External Hard pile - You Cut the tumor off. first passing a ligature through its base to keep it down, if it bleeds apply the Cautery

A pile, if you can press the tumor away it is dilated or Erectile pile, this you must not cut off. you pull it down with your hook & apply Caustic making an Eschar round it first you strangulate it & then apply your Caustic

To strangulate a pile if it is covered with skin you must first cut through the skin, so as not to strangulate the skin.

Mutter Hernia

Strangulated Hernia

The strangulation is owing to swelling of the protruded bowel &c or contraction of the ring.

Treatment – Taxis – This is not to be made use of when the tumor is painful, is red &c. – Here you must first bleed, apply cold, injections &c. In applying taxis you must be careful not to push back the sack with the bowel as you will have the strangulation still present – If this has happened you must bring the tumor down again this may be done by efforts of the patient by coughing &c or if this fails you cut down & bring it back.

Taxis must not be made too forcibly – If you fail reducing the

Matter Hernia.

Got by having the patient in the usual & proper position (Patient on his back with the muscles relaxed) you bring the muscles upon the stretch & you may succeed this way. You must let out the flatus from the bowel if it is present. Relax the patient by bleeding Chloroform &c.

A heavy dose of Opium when nothing else will succeed will often be successful.

If you must Operate you may in recent cases perform the Operation of Taxis which is done without opening the sack. But when the bowel may be mortified it is not to be made use of.

To Operate you want the following instruments

Matter Strangulated Hernia

A scalpel, grooved director, probe pointed bistoury, tenaculum, forceps, ligatures. – Wrap your bistoury with a strip of muslin or something else up close to the point.

Your dressing after an Operation is to consist of a stitch or two a piece of lint dipped in cold water; antiphlogistic treatment, a dose of Opium to allay irritation no purging in less than a week after the Operation bowels must be set at rest with Opium.

The Operation must be performed immediately if you do not succeed by taxis.

Oblique Inguinal Hernia –

If by making taxis the tumor passes up rapidly & you have a gurgling sound, the tumor elastic, you

Matter Oblig. Inguinal hernia

have bowel alone - When you have the Oposite you have omentum alone - You distinguish it from varicocele by these circumstances - You have in hernia no tumor after it has been returned & you keep your finger upon the ring while the patient gets up - In the other you have the tumor returning and the sensation communicated to your finger when examining it is as if the tumor consisted of worms in a wet bladder

Distinguished from Direct Inguinal Hernia by the Canal being oblique instead of direct.

In Operating where you find the adhesions of the sack so firm that you cannot separate them

with your finger you cut off part of the sack & let both be returned together.

Concealed Inguinal Hernia — The tumor is not protruding through the external ring and you have therefore to cut through the external oblique muscle in your operation instead of the fascia communis or you cannot reach the stricture.

Direct Hernia — Requires a small block to fit the ring no larger than the end of your thumb.

Congenital Inguin. Hernia — You have no investing membrane except in cases where the ring is closed at the time of birth which is not a common circumstance.

Matter Hernia.

In operating in this variety you divide the structure outside of the sack, if you can, if not you open it at its most dependent part to prevent inflammation extending up the peritoneum into the abdomen.

Syphilis.

Cause – Impure intercourse or contact between the sexes.

The period of incubation – If matter is directly applied it is almost immediate, if applied upon the healthy skin or hardened prepuce &c it may take several weeks to infect – it varies from an hour to 4 days & to 5 or six weeks. Where gonorrhoea & syphilis are both produced at the same time

the respective virus of both have been in operation, one cannot produce the other

Chancre – The primary symptom. Either simple pustule, deep seated inflammation or abrasion. If the chancre is seated in the mucus tissue you have a red granulated surface, like the strawberry. Where you have it in the integument – ~~thinteg.~~ integument abrated – the surface is yellow, if recent it is smooth, not granular, shining, yellow or greenish. In deep seated you have a pimple with a hard base sloughing and forming an abscess, you have the edges inverted unless the ulcer is phagedenic, indurated – the edge is rather turned in; you will

Matter Syphilis
always have the system contaminated - In phagedena you will have no secondary symptoms it always destroys the specific appearance of the ulcer & is not followed by secondary syphilis.

Up to the 4th day or 5th day the matter of a chancre will not reproduce the disease, has been tested from a healing granular ulcer will not reproduce it. But after the first period and previous to healing even when it has existed for years it will infect.

If you suspect your patient of telling you a falsehood about an ulcer having the appearance of chancre you inoculate him - you cannot positively say whether it is chancre or not without it.

Matter Syphilis

Prognosis — An ulcer with a hardened base you cannot cure in less than from 4 to 8 weeks & you will have secondary symptoms also. You are very apt to have secondary symptoms in abrating ulcer also. Phagedenic you cure sooner but it depends upon the time necessary to get the constitution of the patient healthy.

Treatment — Where you have no inflammation & the patient is a healthy man cauterize the chancre. If this is done in the first period you will have no secondary symptoms and will cure the patient in a few days - mercury here is not necessary. If inflammation is present you will

Mutter Cancer

produce Phagedena by applying nitrat silver — You bleed & purge & apply cold water until the inflammation is reduced & then you may apply anything you please. Wherever you have a hardened base Mercury is necessary, give it cautiously so as not to salivate. When you have an indolent ulcer apply Stimulating articles.

In Phagedena Mercury is inadmissible, apply Carrot water Solution of Gun Cotton (Collodion) painted over it. If Constitution is reduced, weak, give wine, Iron Iodine &c. If it persists in spreading apply Tr. Iodine over it. If it bleeds it will soon get well. When the

Matter Syphilis

patient has fever you bleed &c.

Secondary Disease is not communicable by innocutation but is by transmission from parent to child.

The Protiodide of Mercury is the best article to prevent the secondary disease - You give it in all cases of the Hunterian chancre - if you cannot give mercury internally use it by inunction or fumigation - After the disappearance of the chancre you still use Mercury & continue it for a time - as long as it took to cure the chancre. Inunction should be used in every case of hunterian chancre together with the internal use of the mercury.

Matter Syphilis

Bubo is a secondary disease its appearance showing that the virus has entered the system. May have it when no ulcer has been formed.

Bubo is not always recognized if more than one gland is affected. If only one is affected & is situated above Poupart's ligament it is a specific Bubo.

You open the tumor as soon as it is formed & treat it as you would a common ulcer and it will soon heal, but when it has advanced to sloughing it cannot be cured so easy. In the very first stage you treat it antiphlogistically, if the bubo will not disappear you apply

Matter Syphilis
a blister which will hasten sup-
puration or cause its absorption.
If you have fluctuation instead
instead of this, Open it, instead of
applying leeches blisters or Iodine
ointment. After opening if it will
not heal by stimulating applications
you give Mercury as in Cancer
unless the patient becomes pros-
trated here you give Iod. Potas
which will bring up the man
at once raising the pulse &c and
the ulcer heals. You must give
the patient good food also.
When you have Phagedena, dough-
ing &c you change the blood by
good diet, Porter, Iod. Potas and
apply Cold water dressing, no
stimulating applications will answer

Mutter Syphilis

Where you have indolent ulceration, where you have indolent granulations, instead of no granulations at all as in phagedena, you apply your stimulating washes lay open the sinuses & at the same time use internal remedies - Mercury where the patient has not the mercurial erythema or is debilitated, where this is the case you give Iod Potas. —— The inflammatory stage treat antiphlogistically, The indolent hard tumor by stimulating applications & exercise of the patient. The fluctuating lay open at once The phagedenic requires generous diet & tonics &c.

Mueller

Syphilis

Condylomatous Tumor.

In children it is soft around the genital organs. In infants you treat it by warm bath in enema and give Mother internal medicines - Cut off the tumor occasionally & give stimulating washes. Occuring in the adult they are hard - Treated by similar remedies locally and give Constitutional Medicines.

Affections of the Skin (Following Syphilis) — They may be upon any part of the Skin - May be little red specks, may be blotches, scar, or vesicular scaly - all these may be Converted into rupia which are ulcerations of different

Matter Syphilitic ulcers &c.
appearance pustular &c — The
pustular which has the appearance
of small pox &c is more difficult
to cure than the scaly — the pus-
tules are small & hard in the first
stage. The circumscribed flat scu-
ly eruption is called Ecthyma, there
is another called squamous, Tuber-
cular another which is a hard tumor
under the skin, inflaming & open-
ing the appearance is of copper colour.
another variety is the serpiginous
disease the scales of which are
connected by cicatrixes.
Treatment — In all cases reme-
dies addressed to the skin necessary
begin with bath, followed by sul-
phur vapour bath which is to
be accompanied by Constitutional

Matter Secondary Syphilis
remedies. In vigorous Constitution
give Mercury & vegetable diet -
In debilitated Iod. potas. &c
good diet, wine &c.

Syphilitic Sore Throat.

When you have no ulceration
it is the most simple form.
In other cases you have the
tonsil affected & the ulcer spread-
ing to surrounding parts. Another
variety Phagedenic - The
bone may become affected
from all varieties
Treatment - In the simplest form
apply Nit. Silver in Sol. 40 gr. to ℥j ℞.
give Protiod Merc. when the system
will bear it if not give Iodine &
tonics - diet regulate.
In the second variety

Matter Secondary Syphilis
you have excavating ulcerations
apply solid Nit. Silver except
where the edges are hard & sensitive
here you apply soothing remedies
Gums &c also Gargles of bark &c
repeated blisters to the throat.
Give Mercury or Iodine as
the case may require.
Phagedenic ulceration you
stop the sloughing by wash of
Nitric Acid or Tr. Iodin. apply
blister, active tonic treatment.
Glandular Diseases (depend
ing upon syphilitic taint of the
constitution) of the throat or
groin. Use the sulphur
vapour bath, apply at first
Mercurial ointment change
to lead & to Iodine plaster if
suppuration takes place open it.

Matter Secondary Syph.
give Iodin or Mercury - the disease
is hard to get rid of.

Syphilitic Iritis.

Symptoms - Black pupil becomes red, a light pupil becomes greenish, then is pain &c. in a day or two then is effusion of plasma - may have the pupil irregular in shape or contracted.

Treatment - Take blood from the part, apply Ext. Belladona around the eye, blister behind the ear, mercurial inunction Mercury internally - You must salivate the patient in all cases of this affection -

The iritis follows in about two weeks after Syphilis.

Syphilitic affection Hair bulb.
The Hair becomes loose falls off. Cut the Hair short and make use of tonic treatment. Sulphur vapour bath &c.

If all other remedies fail in these affections (the foregoing) try decoction of Lichmon it will often cure when all other remedies fail.

Syphilitic Tongue
The tongue is swollen inflamed, ulcerated. Apply Nit. Arg. & give Constitutional remedies it comes on weeks & months after the primary disease.

Venereal Warts -
They follow Syphilis or Gonorrhea - You cure them by

Matter Secondary Syphilis

Cutting them off with scissors. after bleeding stops apply nit. silv. You may have the whole prepuce & corona with these excrescences destroy nitric acid wash applied repeatedly will cure it.

Syphilitic Rheumatism.

It follows the primary disease from several weeks to 12 to 18 months after the disease has been relieved. You have knodes on some bones. Other symptoms are the same as ordinary Rheumatism.

Treatment – You must use the sweating plan. At first give Dovers powder at night & use Iod. Potas & warm bath for six months If this will not cure it sweating is the only plan that can succeed.

Matter Secondary Syphilis

Knodes.

In the first stage the lump is hard, in the second it is soft, in the third it ulcerates —

Treatment — In the first stage give Iod. Potas. & apply a blister In the second stage blister also & Iodine ointment. Do not open it as as a general thing. If swelling increases rapidly & softness also open it by the subcutaneous incision this will relieve the pain immediately — it is not pus but serum that fills the tumor. Give Iod Potas in all cases. Ulcerations cured by Iod. Potas. tonic treatment & dress the wound simply — pick out the loose bones. —

Miller Amputation

Primary Amputation -
This is practiced after a severe injury of a limb, as by railroad accident, gun shot wound. It performed as soon as reaction has taken place & before fever sets in.

Amputation is frequently followed by local, Constitutional & Metastatic affections —
Cystitis is a very common occurrence, inflammation of the veins about the stump also in which you have a burning pain in the stomach & shooting pain from the stump up —
In both these affections prompt antiphlogistic measures are necessary. in the latter you

Mutter Amputation

apply a blister to the stump as in ~~Mitas~~ Anginolucitis. Metastatic abscess in the brain &c may also occur - if in the brain you make use of counter irritation, apply cold to the head and give mercury but it is generally fatal - The abscess in the lung or liver apply cups, bleed, counter irritation, mercury for liver, for the lung no mercury, lay open the stump.

Gangrene attacking the stump take the patient into another atmosphere - if it is depending upon a constitutional &c ~~&c~~ cause you wait for the red line of demarkation and amputate again. If it

x - as while swelling &c

Mutter Amputation
depends upon traumatic cause
wait not but amputate im-
mediately higher up.
Excessive Suppuration which
you have in amputations for
hectic you check by applica-
tions of astringents as lead water
&c Poultice of white oak bark
if you have nothing else - this
is an excellent application - Give
tonics &c.
The Constitution is modified
by amputation, becoming
plethoric &c. You must hab-
ituate it to the modifying
influence by seton or issue,
in the back of the neck where
the head is affected), Change
the patients diet &c.

Matter Amputation

You may have introduction of air in veins. Especially in amputating at the shoulder which filling the right auricle of the heart will be fatal if not removed. Convulsions are the immediate effect. In such a case you must exhaust the air by syringe introduced in patulous orifice of the vein.

Nux vomica in Impotence & Spermatorrhœa. By M. Duclos.

75 grs. of the alcoholic ext. of N. vom. made into 100 pills. Of which give the first five days one every night, then for 5 days 1 in the morning & 2 at night, then other 5 days 2 morning & 2 night other 5 day 2 morning 3 night and so on till 4 are taken morning & night. You may also rub the following liniment in the loins & inside of the thighs —

℞ Tra. Nux. vom Tra. Arnicae vel Melissae a.a. 60 parts Tr. Lyttae 15 parts. Regimen tonic. Moderate ℰ Coitus.

Turpentine Colyrium, or ointment for eyes, excellent.

Medical Clinic.

Nov. 3rd 1849. By Dr. Mitchell

Case 1st Nervous affection Epileptic and Cataleptic, attacks every two weeks alternating first Epileptic & then Cataleptic fit. In these cases a 'point of attack' is observable, by applying your treatment to such point you break in upon the chain of symptoms & break up the disease. In this case the attack commences in the uterus — For this reason counter irritation is applied to sacrum, internally give Nit. Silver. Setons or issue is the most important remedy to the Nit. Silv. in these diseases.

Case 2. Hysterical case with Anaemia Spells, jerking of shoulders &c. Dr M. gives Iron & Valerian &c Counter irritation.

Med. Clinic Dr. Mitchell

Case 3. Pyrosis — Cough, occasioned by phlegm rising up of a salt taste. This affection of the stomach is depending upon a species of fungi — You must poison the fungus which is done by a dose of ten or fifteen drops of oil Amber — Give an Emet. of Sulph Copper 12 gr. to be followed by 20 drops oil of Amber (this patient being a male &c) repeat the emet if necessary.

4th — Epileptic fits, at intervals of unequal periods in a boy 7 yrs of age — the terminus age — had rec'd a fall upon his head. the cause may therefore be either worms or the fall. Treat by purgatives & an Issue at the seat of the injury.

Medical Clinic Mitchell

Case 5th. Male age 50 y.

Symptoms – Dyspnoea & palpitation, the pulsations of the heart are heard by the patient himself, general irritability nervousness — These symptoms are very common in dilatation of the heart. This case appears to be one of debility of the heart with some effusion in the pericardium. No organic disease – The heart's action irritable – Give Tonics & Digitalis. (Iron & Digitalis).

Case 6. Boy age 15. – Effusion in the cellular tissue. The patient has an irregular intermittent F. The case is Miasmatic Dropsy

Treatment – Digitalis Squill & Cal. also Quinia.

Case 7. Female age 42. Cessation of the Catamenia, Change of life –

Med. Clinic. Mitchell

Nervous irritability. — Take some blood which will generally relieve the irritability &c afterwards an Issue — Give Asafoet. & O. Valeria at bed time.

Case 8. Female age 26. —

Symptoms — Pain extending from the hip to the ancle especially when the limb is in motion, has been of 11 years standing every day afflicted by it, but of late it got worse. It was owing to a uterine irritation from the beginning. Treatment — Give Tr. Hier. Picra to remove the cause, For present relief apply Ungt. Veratria (1 gr. to ℥j) or Ungt Aconit 1 gr. to ℥j/ and applied near the top of the affected parts, the hip. She caught cold & this neuralgic affection followed immediately.

Case 9. Female — Intermit. Fever

Med. Clinic Mitchell

The Spleen & liver affected. The patient is anaemic, Circulation is greatly centripetal - Some Anasarca -

Treatment - You must get the skin to resume its proper function - There is also great Catamenial suppression Give warm bath & Dover powder every night - afterwards if necessary other treatment will be resorted to.

Case 10. Child, age 1½ y. Intermit. Fever. (Tertian) Ointment of Quinia rubbed along the spine & arm pits will answer in Children if you cannot administer Med. per rectum.

Tympanites is present here as it often is in Intermit's of Children. For this rub the ointment over the groin also & give Fowlers Solution two drops several times a day - Solutes with large quantity of water this article may be given in

Med. Clinic Mitchell

very large doses & long continued without doing mischief, as it would concentrate

Case 11 Male age 37.

Chronic Diarrhoea – It is evidently kept up by irritability. Treatment – Carb. Ammonia, and Act. Plumb with Opium.

Case 12. Child –

Papular Eruption – Caused by vitiated blood.

Treatment – Small dose of Calomel, once a day is sufficient, Red precipitat Ointment of ¼ the usual strength applied twice a day.

Case 13. aet 20. Female Dyspnoea, pain in the breast. Plethora, owing to suppression of the menses – Give Aloes Canel. alba. Hier Pic. a te

Med. Clinic Mitchell

spoonful at bed time preceded by bleeding. In these cases there is always some spinal irritation apply counter irritation to tales points.

Case 14. Male age 55. Piles the case is anaemic.

Treatment - Injection of cold water every day before going to stool, Mitchells tonic pill

Case 15. Male age 30. (Millwright) Symptoms - Mind depressed, is hypochondriac - Received an injury of the head by a fall. Some irritation of the Cerebro Spinal axis The liver may be affected —

Treatment - These Hypo. cases are most effectually treated by bleeding every day or two for some time.

Medical Clinic Dr. Dunglison

Nov. 14. Case 1st Epilepsy of 3 yrs standing. In Epileptic fits you have in some Consciousness annihilated, in others destroyed —

In this case the spells occur at the Catamenial periods - the patient is costive generally vomits sometimes when the fits come on.

Spinal affection appears to be the Cause of these cases the encephalon not generally affected. The nervous system is commonly quite impressible.

Treatment — Give mineral food, Nit. Silver in pill three times a day must be increased generally add three grs. Pulv. Gentian to each pill, Shower bath.

Medical Clinic Dunglison

Case 2nd - Mentagra (Barbers itch) seated in the hair follicles - In this case we have the first stage of the disease the inflammatory stage — Apply Elm or flaxseed infusion keep the parts constantly moist with it afterwards other applications will be necessary.

Nov. 16th Dr. Mitchell

Case 1st Female age 32. Has been taking cold, settled on her chest spits a little clear blood not mixed with anything. First, Chill every day followed by fever, not so much now as at first - The nervous symptoms (Cold stage) predominate which is the case in Hectic sometimes - It is clearly a case of Phthisis incipiens.

Treatment Cod liver oil, best taken in froth of beer (as is Castor oil) Give

Medical Clinic Dr. Mitchell

also ½ drop Ol. Valeria & 2 grs Quinia just before the period of the chill (an hour or so before).

Case 2nd. Female age 17. Oedema of lower extremities. Retention of the Catamenia. Give Ft. Hair Picra a tablespoonful every night - This is a favorite prescription of Mitchell & he says it is an effectual one.

Case 3rd. Female age 43.

The patient is Anaemic, Irregular Catamenia - She wants a tonic course of treatment. Give 5 grs. Carb Ferri 1 gr Carb. Zinc. at bed time.

Case 4. Female 15 years of age. Constipation of bowels. Mucous Membranes affected

Medical Clinic Dr. Mitchell
Case 6. Old Man. Pain in the rectum and across the loins. For the affection of the rectum apply ointment of tar & red precipitat if cold water injections fail to relieve Dr M. suspects the man of having Albumen Urea or some other affection of the Kidneys will examine them next clinic, his urine &c.

Case 7th Male 21. Night sweats which were preceded by pain in the breast. No organic disease can be discovered nothing but an anaemic condition of the system appears the matter altho patient has been under treatment Give him Iron &c.

Medical Clinic Dr. Mitchell

Case 8th Male 27 years of age - Irregular action & blowing sound of the heart of several years standing - Give ¼ gr. Ext digitalis 2 grs. Iron three times a day Mustard plaster every day over the region of Heart.

Case 9. Child 2 years old - Lost power of motion of both legs following a fever

Prognosis unfavorable —

Give Calo. Jalap Comp. Phosphate lime 5 grs. Iron 1 gr every night. Shower bath adapted for this case

Case 10. Boy 5 years of age. Epileptic fits every day sometimes. had been a sickly child but is stout now

Give Nit. Silver.

Medical Clinic Dr. Mitchell

Case 1st Nov. 21. Female age 48. Vomiting, soreness across the breast about two hours after eating, she does not always throw up her food but vomits had & vomits mucus &c, has red skin white fur on tongue. It is a case of Pyrosis - Chronic Inflammation of Stomach -

Treatment - Give in this case 10 gr. Sulph. Copper in the morning fasting after this 1/4 gr. Nit. Silver three times a day.

Case 2. Mentagra - an old case Treatment 3ij Pearl ash & 3ij Sal. Ammoniac in pint of Whiskey as a wash applied three four times a day or oftener - in many cases of this kind you may want constitutional treatment - Fowlers Solution.

Medical Clinic Dr. Mitchell

Case 3rd Female age 29. Scaly eruption all over body.

Give ½ gr. Hyd cum with Sarsaparilla three times a day

Case 4th Old Man. Paraplegia. Habitual Costiveness common in these cases. Arose from drinking cold water after being over heated. Owing to Congestion or inflammation in Spine.

Treatment - Thorough depletion (topical) purges. R. Jalap Comp. Caps every other day and followed by blistering - Give Strychnia.

Case 5. Old Man. Old case. Pain in Lumbar region. Testimony shows a little albumen. This is an incipient case of Albuminuria

Medical Clinic Dr. Mitchell

Treatment – Give 15 grs Dovers powder every night preceded by warm bath Temperature 100. time ½ hour.

Case 6th Female, old case Phthisis Continue same treatment Cod liver oil Sulph. Quinine & ol. Valer. the case is improving.

Case 8. Young man (Col.) been in Liberia took intermittent fever – great enlargement of Spleen –

Treatment – Enlargement of the Spleen caused by Ague is best treated with ~~Quinine~~ Iod. Potas 5 grs. three times a day, add 2 grs. S. Quin. to every dose, Continue for a long time.

Nov. 28th 1849

Case 1st Female age 20 – Chills & fever stopped sometimes & then returns again pain in the left side over the Spleen

Medical Clinic Dr. Mitchell

Treatment - Give 1/2 gr. Arsen. acid & 3 grs Quinine every morning fasting Blue pill every night - Must continue this for at least 21 days.

Case 2nd Female age 32. Rush of blood to the head - The case appears anaemic. Often in these cases the heart appears to be in fault. In this the head is hot & the feet cold. There is an irregularity of the heart's action, slight dilatation of the heart - want of proper distribution of the blood -

Treatment - Must be tonic and stimulant - Give Camphor 1 gr Capsicum 2 grs. Carb. Ferri P. 5 gr three times a day

hot foot bath for ten or fifteen minutes then plunge them in cold water, wipe them dry & put

idical Clinic Dr. Mitchell
woollen stockings - this is a most
ctual mode of correcting habitual
d feet.
se 3rd Female. Hectic looking the
se is Consumption. Give Black
op at night.
se 4. Boy 2½ years of age -
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elling is probably caused by
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estine in the ring -
atment - Dislodge worms if there
any, Give Cr. Tartar & Jalap.
se 5. Little Girl, Intermit.
ver, Great swelling of abdom.
a very common thing in
e cases in children -
ive Calomel every night.

Medical Clinic Dr. Mitch

Treatment - Give 1/12 gr. Arsen. acid
3 grs Quinine every morning fasting
Blue pill every night - Must conti
this for at least 21 days.

Case 2nd Female age 32. Ru
blood to the head - The case app
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cold water, wipe them dry & pu

Medical Clinic Dr. Mitchell

on woollen stockings - this is a most effectual mode of correcting habitual cold feet.

Case 3rd. Female. Hectic looking the case is Consumption. Give Black drop at night.

Case 4. Boy 2½ years of age — Symptoms. Swelling of abdomen the swelling going down to the testicle in the evening - The swelling is probably caused by flatulency produced by entangled intestine in the ring —

Treatment - Dislodge worms if there be any. Give Cr. Tartar & Jalap.

Case 5. Little Girl, Intermit. fever, great swelling of abdomen a very common thing in these cases in Children. —

Give Calomel every night.

Medical Clinic Dr. Mitchell

Case 6. Boy 13 yrs of age. Epileptic fits. Vertigo before the attack, has had them every month since he was 4 years old - Is intelligent & looks well, Probably caused by worms -

Treatment - Nit Silver & Black snake root,

Case 7. Old Man 78 y. of age Dry Tetter about the Genitals has been of one months standing not being an old complaint any poison will kill it Apply Ointment of 1 to 8 Ox. Mercury.

Case 8. - 7th of Nov. 17. Having hectic slightly Give Quinine before the chill comes on. 3 gr. Quin. & 1 gr. Op.

Medical Clinic Dr. Mitchell

Case 9. Female age 42. Pain in arm - a case of Neuralgia - Apply ointment of Aconit 1 gr. to 2 ʒ of lard - also Chloroform internally 5 or 8 drops very good.

Dec. 1st 1849. Female age 17. Catamenial interruption. dropsical effusion in legs - is anaem &c. Give in this case Iron and squills grs ii & grs iii in pill three times a day & Tr. Hier Picra.

Case 2nd Female age 15. Sore throat, 1 years standing - appears to be owing to a constitutional cause. Laryngial affection, Congestion or ulceration, Give Iod. Potas. 5 grs. three times a day afterwards apply nit silver per mode of Dr. Green. A strong solution of the caustic applied with a

Medical Clinic Dr Metcalfe

piece of Sponge on a bent probe depress the tongue with a proper instrument.

Case 3rd Female age 21. Pain across the breast, flying up to the head. System in a state of Plethora. Pulse full, regular.

Treatment - Bleeding, Cathartics. There being a partial suppression of the Catamenia you regulate your purge accordingly

Dec. 5th. 1849

Case 1st Female age 40. Suppression of Catamenia, Oedema of lower extremities. Ry Aloes & Canel. Alba.

Case 2nd Female age 46. Pain in side from the breast through the back, Catamenia regular or nearly so. There is pain when pressure

Medical Clinic. Dr. Mitchell
lower part of the spine at lower
"Yates point" This is generally the
case at the change of life in wo-
men whereas in young females
the upper point is affected.
This case is therefore Neuralgia
depending on Uterine Sympathy
Treatment - Give Belladonna
Cicuta & the Citrate of Quinia &
Iron - the former to act as anti
neuralgic & latter as tonic
Rub Antimon ointment on the
point of pain which is tender
Case 3rd Girl 11. Eruption on the
face with desquamation of the
cuticle - Apply ointment of Nit
Ox. Mercury
Case 4th Female age 24. Pain
in right Hypochondrium. Pulse is

Medical Clinic Dr. Mitchell

not disturbed, Skin is moist, tongue clean, pain is sympathetic from the uterus, Cicuta is the best article to correct uterine irritation. Give ½ gr. three times a day.

Case 5. Boy age 8. Inflammation of the skin with the exudation of serum forming scabs - Tar Ointment.

Case 6th Male 52. Ague. Spleen enlarged to a great extent Give 2 o'd. Potas. & Arsenic ½ gr. Arsen.

Dec. 8th 1849. Case 1st Female age 20. Aphonia almost entire. Has had hip disease, Scrofula. Has a chronic inflammation in isthmus faucium. Apply nitr. Silver topically externally a small blister. Ext. Conium & Acet. Plumbi in pill three times a day.

Medical Clinic Dr. Mitchell

Case 2nd Female. Scaly Eruption - form of Porigo.

Shave the head & apply some kind of Ointment any thing poisonous. Or apply wash of Pearl Ash & Chlor. Ammonia - Give internally Fowlers Solution five drops three times a day increase the dose rapidly until Swelling is produced showing the effects

3rd Case - Little child age 11 mo. Large hard tumor in Illiac fossa right side extending to the Chest knotty & irregular - probably mesenteric glands affected Scrofulous Treatment Give Sod. Potas 1/2 three times a day & apply Iodin. Oint.

Case 4. Female 38 Years of age married. Swelling abdomen, pain-

Medical Clinic Dr. Mitchell

ful on pressure, great irritabil-
ity of spine very much affected by
pressure. Give Chloroform in So-
lution Nervines & tonics

Case 5. Female age 18. Catame-
nial irregularity, nervous irrita-
bility. Give Assafoet & Valer. &
Iron.

Case 6. Male, 24 Years of age.
Intermit fever, tertian, of
2 mo. standing. Give Quinia long
continued, if this will not answer
give Arsenic sufficient to bring
the system entirely under its in-
fluence

Case 7. Boy 16. years of age. Pain
on left side at greater end of the
stomach, increased on inspiration
or Coughing. It is probably a cir-

Medical Clinic Dr. Mitchell

Circumscribed inflammation of the diaphragm. Apply Caps Give Cathartics &c.

Case 8th Boy 17 years of age. Pain left side Constant. Has had ague No Enlargement of Spleen to any great extent. It is probably a neuralgic affection which is a common thing in Malarious disorders Give Quinine

Dec. 12. Case 1st Male 16 years of age. Jaundice owing to the liver not performing elimination properly. Has had Scurvy, liver enlarged. Obstruction owing to mechanical Cause.

Treatment - Give an Emetic, Dov. powder & warm bath. If it is owing to Cirosis it is incurable. If organic Give alteratives Apply caps blisters. &c.

Medical Clinic Dr. Mitchell

Case 2. Male 36 years of age — Palpitation of the Heart. Has received a pain of his breast &c Is depressed in Spirits. Pulsations at the pit of stomach visible at a distance this must be owing to a tumor or or aneurism.

Case 4. Male 18. Skin of hands & fingers swelled, hypertrophied, inflamed. Apply arsenical Ointment & give Fowlers Solution.

Dec. 15. Case 1st Female age 15 y. Chronic Dysentery. Tongue furred, bitter taste in mouth yellow tinge in eyes, no fever. Some pain. Give 5 grs Blue mass & gr. Opium every night. Mucilage, no animal food

Case 2nd Female age 58. Menstrual change of life took place 6 y. ago.

Medical Clinic Dr. Mitchell

Affection of Stomach, acidity, costiveness. Here you have a chronic inflammation of the stomach Treatment - Cathartics & alteratives & Chalybeate.

Case 3rd. Male 40 years of age. Dyspnoea. Cough, 2 years standing, Percussion clear sound. Mucous Rales on Auscultation. Chronic Bronchitis. Apply Cups & blisters Give Nit. Silver 1/3 gr. three times a day.

4th. Case Female age 35. Pain in right side (Iliac region) tender to touch on pressure. Inflammation of the Ovaries.

Treatment - Apply poultices & Give Sod. Potas. gr. 1/2. & 1/2 gr. Cicuta

Case 5. Child 1 year old. Constitutional

Remedies for this disease are

Medical Clinic Dr. Mitchell
always poisonous. Apply Oint-
ments Red precipitat. Ungt. Sulph.
& Ungt Tar. equal parts. Give Fowl-
ers Solution. Ungt Iod. Sulph an
excellent article. Wash often
Case 6. Male age 26. Nervous case
give Nitrat Silver. ——
January 2nd 1850.
Case 1st Dr. Dunglison
Girl age 10. Case of long
standing. Partial palsy. loss
of voluntary motion muscular
power of lower extremities -
Ague has lately supervened. Has
been taking Nux vomica & Salt
water bath
Treatment - excite the sentient
extremities of the nerves by fric-
tion.

Medical Clinic Dr. Dunglison

Case 2. Male age 32. Nervous debility from venereal disease which has been cured, leaving the system debilitated. Give Cinch. Ferri and Animal food.

Case 3rd Male age 20. Palpitation of the Heart - thinks it was brought on by over exertion. Any exertion will, the least agitate the heart very much anything will startle the patient. No Organic disease. Faulty innervation.

Treatment - Give Iron.

Case 4th Female age 29. - Pain in back, side & breast, bad cough of long standing, has spit blood of dark colour. When she spits blood she feels chilly which is about noon every day. Slight difference between the two lungs on percus-

Medical Clinic Dr. Dunglison

sion. Auscultation also shows some difference. Evidently some deposition of tubercle on left side.

Treatment – Give Oil Olivia or Cod liver oil. Also Liq. Sod. Ferri to alter Nutrition & improve the system and thereby bring morbid condition into a Quiescent state.

Case 5th Female aged (45) – affection of throat, Coated tongue Sensation of heat in Stomach and Abdomen. Constipation of bowels Give. R. Magnes Sulph. ℥j

Potas Bitart ℥j

~~Aqua~~ In a Quart of water a wine glass full to be taken every morning.

Case 6. Male 16 years of age. Severe Remittent fever three months standing Give Cinchona.

Medical Clinic Dr. Dunglison

January 5. 1850

Case 1st. Female age 53.

Rheumatism arms & legs &c. Cant bear heat well. joints swelled some. Bowels very costive.

The case being more Neuropathic than inflamatory Give some preparation of bark. three times a day. Dry rubbing night & morning

Case 2nd. - Female age 52.

Pain in breast, Cough of two weeks standing, Spits up a great deal, Sputa mixed with blood. Dyspnoea when cough comes on. No heat of the skin therefore it is not pneumonia as this symptom is one of the most frequent accompaniments in Pneumonia

She has a burning pain in the right side.

Medical Clinic Dr. Dunglison

Case 3rd Female age 64.

Pain in stomach the pain rises to her shoulder. Wind on her stom. Bowels costive.

℞. Carbo Ligni gr. XV
Magnes. Carb. gr. X
Zingiberis P. gr X
Several times a day

Case 4th Male age 26.

Cough, spits blood sometimes pain through chest.

Give Cod liver oil.

January 9. 1850

Case 1st Female age — Has an Eruption on the Alae nasi Acnae. — Apply Collodion & give Fowlers Solution. The Collodion will act on the diseased hair follicles by ~~Causing~~ ~~making~~ Contraction its Compressing effects

Medical Clinic Dr. Dunglison

forcing out the matter and coating the skin thereby preventing access of air

Case 2nd Male Has had "Sun Stroke", had lost power over left side to some degree - Is getting better but has some pain on side of his head which will probably be relieved by counter irritation. Apply Ungt. S. Ant. to the nape of the neck

Case 4. Male age 45.

Dry Cough. Pain in left side from the beginning, low down rather external. Patient is labouring under a Cachexia which may turn into tubercular Cachexy

Treatment - Put him under influence of Cod liver Oil.

Surgical Clinic.- Dr. Mutter & Pancoast

Case 1st Symptoms- Scrophulous- probably hip joint disease from the way he walks. He has Anchylosis of the hip joint. Has an abscess on thigh. Probably necrosis of the thigh bone.

Treatment Open it & apply lye poultice.

Case 2nd Hypospadias- deformity of the penis- urethra not extending sufficiently. Urine is discharged at an opening near the scrotum. Cure the deformity by taking a wedge shaped piece off Corpus Cavernosum, apply a Splint to the organ after the Operation to support it until the wound is healed afterwards a new urethra can be formed from the Skin.

Surgical Clinic Mutter & Pancoast
The Operation — strip the prepuce back
dissect it sufficiently back off Corpus
Cavernosum to take off a piece large
enough.

Nov. 7. Case 1st Chronic Cystitis. Give Buchu Uva Ursi
Juniper berries & Cr. Tartar.

Case 2. Paraphymosis — It
is not often necessary to perform
an Operation. The best treatment
is to puncture the swelled prepuce
& press out the serum when neces-
sary then bathe the Glans ve in cold
water to make it contract you
can then reduce it by kneading.
pressing the Glans back & pulling
the prepuce forward

Nov. 14. Case 1st Chancre & Bubo
Apply Nit. Silver to the Chancre
followed by Port Wine or other aro-

Surgical Clinic Matter & Pancoast

matic dime with a piece of lint changed 4 times a day. Give ~~4 gr~~ Iodide of mercury. apply a blister to the Bubo. apply a blister to the bubo first afterwards Iodine ointment of the strength of ℈j to ℈j lard. If this does not bring on suppuration apply poultice.

Case 2. Phagedenic ulceration of Glans penis - venereal. Here no Mercury is used, purging, perhaps tonics. Apply Stimulating washes locally. If phagedena spreads wash it over with ℞ Iodine.

Case 3rd Onychia - The only way to relieve these cases by pulling the nail out & apply Caustic afterwards apply poultice. This case has been treated by some Surgeon for 5 Mo. & is not improved any at all

Surgical Clinic - Mutter & Pancoast

Pull out the nail & treat as above & it will be well in a week.

Nov. 17. Case 1st

Chronic Deafness - Dr. Pancoast applies the following liniment

℞ - Copaiba ℥ii
Ol. Oliv. ℥ii
Ol Cajuput ℥ii

with a few grs Camphor; Applied with a Camels hair pencil.

Nov. 28th Case 1st -

Caries of Wrist bones

This case is in the second stage, no pain on introducing the probe whereas if it were in the first stage pain would be severe.

Treatment - Rest the limb give Constitutional remedies Iodin & Iron

Surgical Clinic Mutter & Pancoast

apply a blister over the whole diseased part. Dr Mutter will try this, if it fail will take away the diseased bone

Dec. 1st Case 1st Hypopion in Anterior Chamber of the Eye - Depending upon a specific Cause. Requires prompt treatment - bleed from the arm in the first place apply Counter irritation, Hot pediluvia, Mercury - this will effect absorption but if distention of the Cornea threatens bursting you must open with the couching needle.

Case 2nd Bony Cataract. it was caused by a blow on the eye ball. Here there is Amaurosis present known from the fact that no light is perceived through the

Surgical Clinic Mutter & Pancoast

upper part of the eye which is clear in this case. No Operation is therefore proper. The other eye is beginning to suffer, apply a seton in the neck.

Case 3. Orchitis. Apply leeches, Suspendary bandage, keep patient down, give mercury & touch Gums. If Chronic ~~the~~ ligne Suspendary truss with oiled silk which will keep up perspiration

Dec. 8th Case 1st. Ostitis. Enlargement of the limb (Os Tibia) redness, pain which is increased by shocking the limb.

Treatment - Apply leeches, elevate the limb, give purges - do this until the inflammation goes into Chronic form then apply blisters give Sod. Potas. Anodynes at night -

Surgical Clinic Mutter & Pancoast
Dec. 8th 1849 Case 1st.

Onichia Maligna - ulceration around the nail of the right thumb. The follicles or root of the nail is the seat of the disease. You must take away the nail with forceps & apply powerful escharotic to destroy the roots or unhealthy action of them.

Case 2. - Disease of the finger nails Hypertrophy or inflammation of the follicles secreting the nails - Causing the nail to be thick &c

Treatment - Blister the roots of the nails & Give Donavans Solution

Case 3. Noli metangere or Lupus exedens. Open malignant ulcer

Surgical Clinic Mutter & Pancoast

These cases are at first superficial are not tuberculous - these are on bone penetrating through the bone

Treatment - Give Donovans solution & apply at first mucilage if this is not sufficient apply red precip ointment.

Case 4th Nail curved and growing downwards on one side into the flesh -

Cut a triangular piece out of the centre of the nail scrape the middle of the nail thin the whole length & keep it thin.

Case 5. Staphyloma both Eyes Hypertrophy of the Cornea consequent upon inflammation. If complete all you can do is to remove the tumor - While forming you can cure it by touching with Nit Silver several times a week - In this Case

Surgical Clinic. Mutter & Pancoast

after opening the cornea as you do in cutting off the tumor you may have a fungus mass in a few days occupying the seat of the tumor, if so cut that off also

Dec. 18. Case 1st Neuralgia of the eye ball, great pain but no unnatural appearance. Apply a blister behind the ear, Give Colchicum & Magnesia - Veratria Ointment over the eye.

Case 2. Diplopia (double vision)

Camphor in solution with ether (saturated) and a few drops spt. Armonia — Tooth ache.

Mitchell — Small Pox

Liability continued — All are liable to it, Fœtus in utero may be attacked.

The disease generally begins in Spring and ends in winter. It does not recur as a general rule, but may.

Greatest Mortality in very young & very old. Greatest danger 7th 8th or 9th day of Eruption. About the 15th year of age the least danger.

Mortality Commonly about 1 in 4.

Treatment — In preliminary stage seek to treat the symptoms as they may require, except in regard to purging & vomiting. If the case is mild give cooling drinks and farinaceous diet, keep patient cool. In grave cases use stimuli light or high according to symptoms. Cold water is an important agent. Astringent gargle for the throat if it is sore, or

if very sore use Cayenne pepper or Sulp. Zinc or Sulp. Copper. At the moment you effect the disease vaccinate the person, you may modify the disease even if some progress has been made by it. Eruption appearing the cold is not to be taken away. Prevent the disfiguring of patient by application on 1st 2nd or 3rd day of the Eruption of a plaster made of equal parts of Litharge & Blue ointment Spread on a piece of linnen; light is said to cause the marks. After the Secondary Stage has passed there is no use applying anything. The chief aim aught to be to prevent disfiguring. Velvet covering to ears, protection to face & hands.

Relieve costiveness in adults & Diarrhoea in Children. In some instances warm applications instead of Cold.

Varioloid

In this disease the vesicles become brown on 2nd day eruption is earlier than in variola. There is no pitting. No secondary fever no danger in common persons.

Treat according to symptoms.

Mitchell Vaccination &c.

Vaccination practiced first in 177.

Choice in matter - most potent - that obtained from the vessicle between 4th & 8th day colour should be a pale yellow straw colour. Scab should be mahogany colour round regular in form & small. To vaccinate powder it & reduce to fluid form. To preserve the scab wrap it in paper, over this, bees wax with a candle fused over it - If scab appears fibrous or stringey it is not good. After 6th day of insertion patient is protected whether scab is rubbed off or not. May vaccinate at any age even at birth. About 7th or 8th day a great change takes place in the vac. the areola extend & there is an accompaniment of fever. From the first or second day the centre begins to pit until 9th day it begins to decline. On 7th day it has a mahogany colour getting darker & darker & the scab comes off about the 2nd week Areola largest on 9th or 10th day. The cicatrix radiated,

Mitchell Vaccination

regular & having little pitts the scar is good. The virus if obtained from the Cow is twice as potent as that which has been long in use. Re-vaccination from this will often take when it would fail with the other.

~~Dr. J. G. Shelly~~ ~~Hysteric Drops~~

℞. Ether ℥iss
Paregoric ℥i
Laud. ʒiss
Ol. Caraway gtt. xx to x

Jef. x 8

6 Equal parts of bay rum & good brandy and three parts of olive oil (all good articles) for the hair, apply once a day.

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